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LIST

OF THE

SPECIMENS

OF

LEPIDOPTEROUS INSECTS

IN

THE COLLECTION

OF THE

BRITISH MUSEUM.

BY

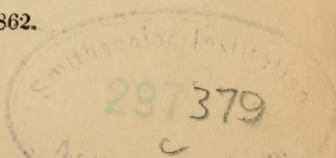
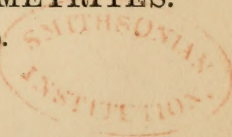
FRANCIS WALKER, F.L.S., &c.

PART XXV.—GEOMETRITES.

(CONTINUED).

PRINTED BY ORDER OF THE TRUSTEES.

LONDON, 1862.



LONDON:

PRINTED BY EDWARD NEWMAN,
9, Devonshire Street, Bishopsgate.

P R E F A C E .

THE object of the present Catalogue is to give a complete list of all the genera and species of Geometrites known to exist in the different collections. The letters *a, b, c, &c.*, after the species, denote the specimens now contained in the British Museum, followed by the *habitat* and the mode in which each of them was obtained, and the absence of these *letters* indicates the species which are desiderata, and therefore desirable to be procured for the collection.

JOHN EDWARD GRAY.

British Museum,

May 24, 1862.

THE HISTORY OF THE
CITY OF BOSTON
FROM 1630 TO 1800

The history of the city of Boston from 1630 to 1800 is a story of growth and change. It begins with the arrival of the Puritans in 1630, who sought a place where they could practice their religion freely. They found it in Boston, and the city grew rapidly. By 1700, Boston was one of the largest and most important cities in the colonies. It was a center of trade and commerce, and a place where new ideas were being born. The city's growth was not without challenges, however. It faced many hardships, including wars and economic difficulties. But it always emerged stronger and more resilient. By 1800, Boston was a city of great wealth and power, and a place where the future of the nation was being shaped.

THE HISTORY OF THE
CITY OF BOSTON
FROM 1630 TO 1800

CATALOGUE

OF

LEPIDOPTERA HETEROCERA.

FIFTH SERIES.

Fam. 19. LARENTIDÆ. (Continued).

Genus 18. MELANIPPE.

Corpus gracile. Proboscis mediocris. Palpi læves, squamosi, acuti, caput paullo superantes; articulus 3us conicus, brevissimus. Antennæ simplices, maris sæpissime vix pubescentes. Abdomen sæpissime albo fasciatum aut nigro punctatum. Tibiæ posticæ subincrassatæ, femoribus vix longiores, calcaribus quatuor longis. Alæ albo-nigræ, concolores, lituris non diversis; anticæ integræ, subacutæ; posticæ margine exteriori vix dentato. *Fcem.*—Abdomen carinatum, depressum, apice subincrassatum.

Melanippe, *Dup. Lep.* iv. 111; *Boisd.*; *Steph.*; *Guen. Phal.* ii. 386.

Cidaria, p., et Zerene, p., *Treit.*

Eulype, Calostigia, Plemymia, Epirrhoe, Xanthorhoe, et Cosmorhoe, *Hubn. Verz. Schm.* 327, 328, 329.

Melanthia, p., *Boisd.*; *Steph.*

Harpalyce et Xerene, *Steph.*

Larentia, p., *Herr.-Sch.*

Body slender. Proboscis moderately long. Palpi smoothly squamous, acute, extending a little beyond the front; third joint conical, very small. Antennæ simple, most often hardly pubescent in the male. Abdomen almost always with white bands or with a double row of black points. Legs moderately long; hind tibiæ slightly incrassated, hardly longer than the hind femora, with four

long spurs. Wings black and white, alike in colour and with like markings. Fore wings entire, slightly acute. Hind wings with the exterior border hardly dentate. *Female*.—Abdomen keeled, depressed in the middle, slightly incrassated at the tip.

Europe.

Group 1.

1. MELANIPPE HASTATA.

Nigra; abdomen nigro-cinereum, segmentis nigro biguttatis albo marginatis; alæ albæ, basi interlineatæ, fasciis duabus excavatis interruptis margineque exteriori nigris, fimbria nigro notata.

———, *Deg. Ins.* i. pl. 8, f. 19, 20; ii. 455. *Kleem, Ins.* i. 369, pl. 44, f. 1—8. *De Vill. Ent. Linn.* ii. 346, 530.

Phalæna-Geometra hastata, Linn. Syst. Nat. i. 2, 870, 254; *Faun. Suec.* 1276. *Clerck, Icon.* pl. 1, f. 9. *Gmel. ed. Syst. Nat.* i. 5, 2477, 254.

Phalæna hastata, Fabr. Sp. Ins. ii. 260, 106; *Mant. Ins.* ii. 203, 157; *Ent. Syst.* iii. 2, 182, 192.

Geometra hastata, Wien. Verz. 113, 25. *Schr. Faun. Boic.* ii. 2, 46, 1679. *Ill. N. Ausg. dess.* i. 461, 25. *Fuessl. Schw. Ins.* 40, 785. *Mull. Zool. Dan. Prodr.* 127, 1470. *Bork. Eur. Schm.* v. 426, 210. *Donov. Brit. Ins.* iv. 43, pl. 129. *Hubn. Geom.* pl. 49, f. 256. *Haw. Lep. Brit.* 336.

Cidaria hastata, Treit. Schm. vi. 2, 207, 36.

Eulype hastata, Hubn. Verz. Schm. 328, 3169.

Melanippe hastata, Dup. Lep. v. 282, pl. 190, f. 3. *Boisd. Ind.* 216, 1781. *Steph. Ill. Brit. Haust.* iii. 248, 1. *Guen. Phal.* ii. 389, 1522.

Larentia hastata, Herr.-Sch. Eur. Schm. iii. 156, 124. *Delah. Schm.* 259.

a—s. England. From Mr. Stephens' collection.

t—w. England.

x. Scotland. From Mr. Foxcroft's collection.

y, z. Europe. From M. Becker's collection.

aa, bb. Lapland. Presented by J. R. Crowe, Esq.

2. MELANIPPE THULEARIA.

Nigricans; alæ linea undulata et strigis duplicibus albidis infumatis.

Larentia Thulearia, *Herr.-Sch. Eur. Schm.* iii. 156, 126, pl. 63, f. 387. *Guen. Phal.* ii. 389, 1523.

Iceland.

3. MELANIPPE HASTULATA.

Nigra; alæ strigulis nonnullis fasciisque tribus albis, fascia 1a interrupta, 2a interlineata, 3a valde incompleta, fimbria albo notata.

Geometra hastulata, *Hubn. Geom.* f. 356.

Eulype hastulata, *Hubn. Verz. Schm.* 328, 3170.

Melanippe hastulata, *Guen. Phal.* ii. 389, 1524.

Lapland.

4. MELANIPPE TRISTATA.

Alba; corpus cinereo-fuscum; abdomen guttis nigris bilineatum; alæ basi fasciæque interrupta media fuscis albo incisus et interlineatis, linea exterior e punctis fuscis, spatio marginali fusco lineam submarginalem albam denticulatam includente, fimbria fusco notata.

———, *De Vill. Ent. Linn.* ii. 345, 528.

Phalæna-Geometra tristata, *Linn. Syst. Nat.* i. 2, 869, 252; *Faun. Suec.* 1277. *Clerck, Icon.* pl. 1, f. 13. *Gmel. ed. Syst. Nat.* i. 5, 2477, 252.

Phalæna tristata, *Fabr. Sp. Ins.* ii. 261, 107; *Mant. Ins.* ii. 203, 158; *Ent. Syst.* iii. 2, 183, 193.

Geometra tristata, *Wien. Verz.* 113, 26. *Brahm, Ins. Kal.* ii. 1, 232, 126. *Schr. Faun. Boic.* ii. 2, 46, 1680. *Bork. Eur. Schm.* v. 430, 211. *Rossi, Faun. Etrusc.* ii. 195, 1171; *Mull. Faun. Fridr.* 50, 440; *Zool. Dan.* 127, 1465. *Ill. N. Ausg. dess.* i. 461, 26. *Hubn. Geom.* pl. 49, f. 254. *Huw. Lep. Brit.* 333.

Cidaria tristata, *Treit. Schm.* vi. 2, 210, 37.

Eulype tristata, *Hubn. Verz. Schm.* 328, 3171.

Melanippe tristata, *Dup. Lep.* v. 291, pl. 190, f. 5. *Boisd. Ind.* 216, 1782. *Guen. Phal.* ii. 390, 1525.

Harpalyce tristata, *Steph. Ill. Brit. Haust.* iii. 223, 6.

Larentia tristata, *Herr.-Sch. Eur. Schm.* iii. 156, 125. *Delah. Schm.* 261.

Larentia funerata, *Delah. Schm.* 262.

a—j. England. From Mr. Stephens' collection.

k—n. England.

o. England. From Mr. Foxcroft's collection.

- p, q.* Scotland. From Mr. Foxcroft's collection.
r, s. Europe. From M. Becker's collection.
t. ———? Presented by the Entomological Club.

5. MELANIPPE FUNERATA.

Alba; alæ fimbria nigro notata; anticæ nigræ, lineis subdenticulatis albis; posticæ lineis nigris, fascia marginali nigra.

- Geometra funerata*, Hubn. *Geom.* f. 260.
Eulype funerata, Hubn. *Verz. Schm.* 328, 3173.
Larentia funerata, Herr.-Sch. *Eur. Schm. Sup.* 78, f. 542.
Melanippe funerata, Guen. *Phal.* ii. 391, 1526.
 Alps of France. Altai.

6. MELANIPPE BRULLEI.

Alæ fusco-fuliginosæ; anticarum venæ nigræ punctis albis interruptæ, fimbria alba nigro intersecta.

- Larentia Brullei*, Lefebvre, *Ann. Soc. Ent. Fr.* v. 399, pl. 10, f. 8.
Dup. Lep. Sup. iv. 28, pl. 32, f. 7.
Melanippe Brulleata, Guen. *Phal.* ii. 391, 1527.
 Lapland. Esquimaux country.

7. MELANIPPE LUCTUATA.

Cinereo-nigricans; alæ anticæ lineis interioribus lineaque submarginali cinereis dentatis, fascia exteriori alba, fimbria albo notata; posticæ basi cinereæ, margine exteriori nigro-cinereo lineam albam denticulatam includente.

- Geometra luctuata*, Wien. *Verz.* 316, 28. *Ill. N. Ausg. dess.* i. 461, 28. Hubn. *Geom.* pl. 49, f. 253.
Cidaria luctuata, Treit. *Schm.* vi. 2, 214, 39.
Calostigia luctuata, Hubn. *Verz. Schm.* 328, 3174.
Melanippe luctuata, Dup. *Lep.* v. 286, pl. 190, f. 1. *Eversm. Faun. Volg.-Ural.* 429. *Boisd. Ind.* 216, 1783. Guen. *Phal.* ii. 392, 1528.
Larentia luctuata, Herr.-Sch. *Eur. Schm.* iii. 156, 127, pl. 52, f. 321, Delah. *Schm.* 263.
a. Europe. From M. Becker's collection.
b. Lapland. Presented by J. R. Crowe, Esq.

Group 2.

8. MELANIPPE ALAUDARIA.

Alba; alæ linea exteriori punctulari nigricante, margine exteriori nigricante lineam albam includente; anticæ basi plagaque costali guttulari nigricantibus; posticæ striga discali nigricante.

Geometra alaudaria, Frey. Beitr. v. pl. 486, f. 4.

Larentia culmaria, Herr.-Sch. Eur. Schm. iii. 155, 122, pl. 52, f. 317, 318.

Melanippe alaudaria, Guen. Phal. ii. 392, 1529.

Alps of Styria.

9. MELANIPPE PROCELLATA.

Ferrugineo-fusca; alæ punctis marginalibus nigris; anticæ albido subpulverosæ, lineis denticulatis fasciaque media fusca pulverosa albidis, linea exteriori flexa, puncto discali nigro; posticæ fuscescence-cinereæ, lineis duabus undulatis albidis.

———, De Vill. Ent. Linn. iv. 506.

Geometra procellata, Wien. Verz. 112, 1. Schw. Beitr. 188, pl. 23, f. 7, 8. Bork. Eur. Schm. v. 436, 215. Ill. N. Ausg. dess. i. 463, 1. Hubn. Geom. pl. 48, f. 251. Haw. Lep. Brit. 336.

Geometra porcellata, Donovan. Brit. Ins. vi. pl. 202, f. 3.

Zerene procellata, Treit. Schm. vi. 2, 218.

Plemyria procellata, Hubn. Verz. Schm. 327, 3161.

Melanippe procellata, Dup. Lep. v. 259, pl. 188, f. 3. Guen. Phal. ii. 393, 1530.

Xerene procellata, Steph. Ill. Brit. Haust. iii. 250, 2.

Larentia procellata, Herr.-Sch. Eur. Schm. iii. 155, 123. Delah. Schm. 258.

Melanthia procellata, Boisd. Ind. 217, 1801.

a—h. England. From Mr. Stephens' collection.

i, j. England.

k. Europe. From M. Becker's collection.

10. MELANIPPE CONFIXARIA.

Sordide alba; alæ punctis marginalibus nigris; anticæ basi fasciaque lata fuscis nigro marginatis et interlineatis; posticæ fascia cinerea nigro marginata et interlineata.

Larentia confixaria, *Herr.-Sch. Eur. Schm.* iii. 152, 111, pl. 55, f. 334.

Melanippe confixaria, *Guen. Phal.* ii. 393, 1531.

Germany?

11. MELANIPPE UNICATA.

Flavescente-alba; *abdomen nigricans, albo annulatum*; *alæ fascia lata media fusco nigroque varia ex parte vacua lineas includente, umbra exteriori pallide rufescente-fusca, linea submarginali dentata, plagis anticis nigricantibus*; *anticæ basi fusco nigroque variæ, striga discali nigra oblonga.*

Melanippe unicata, *Guen. Phal.* ii. 393, 1532.

Amasieh.

Group 3.

12. MELANIPPE COROLLARIA.

Cinerascens; *abdomen punctis nigris bilineatum*; *alæ anticæ basi fasciæque media fuscis nigro marginatis et interlineatis, fasciis interiore et exteriori cinereis, linea submarginali alba denticulata, striga marginali nigra*; *posticæ fascia exteriori cinerea postice attenuata et abbreviata.*

Larentia corollaria, *Herr.-Sch. Eur. Schm.* iii. 152, 112, pl. 55, f. 335.

Melanippe corollaria, *Guen. Phal.* ii. 394, 1533.

Dalmatia.

13. MELANIPPE UNANGULATA.

Cinerascens; *alæ fascia exteriori alba, spatio marginali obscure cinereo lineam submarginalem albam denticulatam includente*; *anticæ lineis tribus interioribus albis, fascia media fusco-cinerea nigro marginata et interlineata guttamque discalem nigram elongatam includente, striga apicali alba*; *posticæ puncto discali lineisque duabus punctularibus nigris.*

Geometra bicolorata, *Bork. Eur. Schm.* v. 396. [*Fisch. Rosl. Schm.* 98?

Geometra amniculata? *Hubn. Geom.* f. 386.

Geometra unangulata, *Haw. Lep. Brit.* 382, 48.

Epirrhoe amniculata? *Hubn. Verz. Schm.* 328, 3166.

Melanippe amniculata, *Boisd. Ind.* 216, 1789.

Harpalyce unangulata, *Steph. Ill. Brit. Haust.* iii. 225, 9.

Larentia unangulata, *Herr.-Sch. Eur. Schm.* iii. 150, 106, pl. 55, f. 338. *Guen. Phal.* ii. 394, 1534.

a—h. England. From Mr. Stephens' collection.

i—m. England.

14. MELANIPPE RIVATA.

Fuscescente-cinerea; abdomen e punctis nigricantibus bilineatum; alæ lineis denticulatis, fascia exterior undulata interlineata punctis nigris intus marginata lineaque submarginali angulosa albis; anticæ lineis duabus basalibus albis, 2a interlineata, gutta discali nigricante.

Geometra galiata? *Bork. Eur. Schm.* v. 393.

Geometra rivata, *Hubn. Geom.* pl. 79, f. 409. *Fisch. Rost. Schm.* 96.

Geometra sylvaticata, *Haw. Lep. Brit.* 332.

Cidaria rivata, *Treit. Schm.* vi. 2, 212, 33.

Epirrhoe rivata, *Hubn. Verz. Schm.* 328, 3165.

Melanippe rivata, *Boisd. Ind.* 216, 1787.

Harpalyce sylvaticata, *Steph. Ill. Brit. Haust.* iii. 225, 8.

Larentia rivata, *Herr.-Sch. Eur. Schm.* iii. 151, 107. *Delah. Schm.* 245. *Guen. Phal.* ii. 396, 1537.

———, var. β , *Deg. Ins.* i. pl. 22, f. 10—16; ii. 357.

Geometra alchemillata, *Wien. Verz.* 112, 8. *Schr. Faun. Boic.* ii. 2, 39, 1669. *Hubn. Geom.* pl. 71, f. 370. *Fisch. Rost. Schm.* 100.

Geometra biriviata, *Bork. Eur. Schm.* v. 187.

Geometra sociata? *Bork. Eur. Schm.* v. 432, 212.

Geometra subtristata, *Haw. Lep. Brit.* 332.

Geometra degenerata, *Haw. Lep. Brit.* 333.

Cidaria alchemillata, *Treit. Schm.* vi. 2, 203. *Eversm. Faun. Volg.-Ural.* 428?

Melanippe alchemillata, *Dup. Lep.* v. 294, pl. 191, f. 2.

Melanippe rivata, *Dup. Lep.* v. 296, pl. 191, f. 3.

Epirrhoe aparinata, *Hubn. Verz. Schm.* 328, 3167.

Cidaria tristata, *Steph. Ill. Brit. Haust.* iii. 223, 6.

Melanippe alchemillata, *Boisd. Ind.* 216, 1788.

Larentia alchemillata, *Herr.-Sch. Eur. Schm.* iii. 151, 101. *Delah. Schm.* 247.

a—d. England. Presented by the Rev. John Willis.

e—r. England. From Mr. Stephens' collection.

s. England. From Mr. King's collection.

t—z. England.

aa, bb. Europe. From M. Becker's collection.

cc—ee. Nice. From Dr. Leach's collection.

Group 4.

15. MELANIPPE MOLLUGINATA.

Cinerea ; abdomen e punctis nigricantibus bilineatum ; alæ fascia marginali fuscescente lineam albam denticulatam includente, lunulis marginalibus nigris ; anticæ lineis nonnullis basalibus, fasciis duabus fuscescentibus nigro marginatis disco subconnexis, lunula discali nigra ; posticæ puncto discali lineisque quatuor exterioribus fuscescentibus.

Geometra molluginata, Hubn. *Geom.* pl. 71, f. 371. *Fisch. Rosl. Schm.* 101.

Larentia molluginata, Treit. *Schm.* vi. 2, 92, 11. *Boisd. Ind.* 206, 1663. *Herr.-Sch. Eur. Schm.* iii. 151, 109. *Delah. Schm.* 248.

Epirrhoe molluginata, Hubn. *Verz. Schm.* 328, 3168.

Melanippe molluginata, Dup. *Lep.* v. 403, pl. 198, f. 5. *Guen. Phal.* ii. 397, 1538.

Alpine Districts of France, Switzerland, Austria, Styria and Hungary.

16. MELANIPPE FLUIDATA.

M. molluginatæ affinis ; alæ magis rufescentes, lituris magis determinatis ; anticæ fascia media antice dilatata, fasciolis interiore et exteriori cervinis interruptis, linea submarginali magis dentata.

Melanippe fluidata, Leder. *Schm.* 32, pl. 6. *Guen. Phal.* ii. 397, 1539.

Altai.

17. MELANIPPE INUSITATA.

Fœm. Pallide cinerascens, M. molluginatæ affinis ; alæ anticæ magis productæ, lituris minus concisis, fascia media minus flexa punctum discale includente, fasciola exteriori minus flexa, linea submarginali bene determinata, striga nulla apicali.

Melanippe inusitata, Guen. *Phal.* ii. 398, 1540.

Hyères.

18. MELANIPPE DISSIMILATA.

M. lienigiariæ simillima; *alæ fusco-cinereæ, albo flavoque variæ, lineis plurimis undatis fuscis.*

Larentia dissimilata, *Ramb. Ann. Soc. Ent. Fr.* ii. 46, pl. 11, f. 11.
Boisd. Ind. 206, 1661.

Melanippe dissimilata, *Guen. Phal.* ii. 398, 1541.

Corsica.

Group 5.

19. MELANIPPE LIENIGIARIA.

Alba; *alæ anticæ cervinæ, fascia exteriori lineisque angulosis albis, gutta discali obliqua nigra; posticæ cinereo marginatæ.*

Larentia serrata, *Zell. Isis*, 1846, 201. *Herr.-Sch. Eur. Schm.* iii. pl. 68, f. 417, 418.

Melanippe lienigiaria, *Guen. Phal.* ii. 398, 1542.

Lapland.

Group 6.

20. MELANIPPE MONTANATA.

Alba; *alæ lineis dentatis fuscescentibus indistinctis, margine fuscescente lineam submarginalem albidam denticulatam, includente, puncto discali elongato punctisque marginalibus nigris; anticæ fascia fusca postice angustata, linea exteriori e punctis nigris.*

———, *De Vill. Ent. Linn.* 386, pl. 6, f. 21. *Lyon. Ins.* 278, pl. 28, f. 22—26.

Geometra montanata, *Wien. Verz.* 113, 14. *Bork. Eur. Schm.* v. 397, 194. *Ill. N. Ausg. dess.* i. 456, 14. *Hubn. Geom.* pl. 48, f. 248. *Frey. Beitr.* pl. 72, f. 1. *Sepp. Schm.* vi. pl. 20, f. 1—12.

Phalæna ocellata, *Fabr. Sp. Ins.* ii. 262, 118; *Mant. Ins.* ii. 206, 178; *Ent. Syst.* iii. 2, 188, 216.

Geometra implicata, *Haw. Lep. Brit.* 303.

Geometra implicata ?? *Bork. Eur. Schm.* v. 196.

Cidaria montanata, *Treit. Schm.* vi. 2, 201, 34. *Steph. Ill. Brit. Haust.* iii. 219, 10.

Xanthorhoe montanata, *Hubn. Verz. Schm.* 327, 3157.

Melanippe montanata, *Dup. Lep.* v. 274, pl. 189, f. 6. *Guen. Phal.* ii. 399, 1543.

Larentia montanaria, *Herr.-Sch. Eur. Schm.* iii. 152, 110.

Melanthia montanaria, *Boisd. Ind.* 216, 1790.

a—x. England. From Mr. Stephens' collection.

y—cc. England.

dd—gg. Europe. From M. Becker's collection.

21. MELANIPPE DISCEPTARIA.

Albo-cinerea, *M. montanatae similis*; *antennæ maris pectinatae*; *abdomen punctis confluentibus bilineatum*; *alæ anticæ subconspersæ, basi fascia media spatioque submarginali obscurioribus, fascia flexa dentata punctum discalæ nigrum includente, linea submarginali pallida undulata, punctis marginalibus nigris duplicatis.*

Melanippe disceptaria, *Fisch. Rosl. Abbild.* 93. *Guen. Phal.* ii. 400, 1544.

Bohemia. Silesia.

22. MELANIPPE MONTICOLARIA.

M. disceptariæ affinis; *antennæ maris ramis brevioribus*; *abdomen punctis duplicatis bilineatum, apice maris valde quadrato*; *alæ anticæ fascia media diversa saturatiore, puncto discali bene determinato pallido-marginato.*

Melanippe monticoloria, *Herr.-Sch. Eur. Schm. Sup.* 79, f. 526, 527. *Guen. Phal.* ii. 400, 1545.

Noric Alps.

Group 7.

23. MELANIPPE GALIATA.

Cinereo-alba; *caput et thorax fusca*; *abdomen punctis fuscis bilineatum*; *alæ lineis fusciscentibus denticulatis indistinctis, linea marginali nigra*; *anticæ basi fusciscentes, fasciis duabus fuscis nigro interlineatis et marginatis fasciam latiore nigro-cineream punctumque discalæ nigrum includentibus, linea exterior e punctis nigris, spatio marginali cinereo lineam albam angulosam includente, plagis duabus anticis nigricantibus.*

Geometra galiata, *Wien. Verz.* 113, 13. *Hubn. Geom.* pl. 53, f. 272. *Haw. Lep. Brit.* 332. *Fisch. Rosl. Schm.* 94.

Geometra chalybeata, *Hubn. Geom.* f. 350.

Cidaria galiata, *Treit. Schm.* vi. 2, 155, 9.

Xanthorhoe galiata, *Hubn. Verz. Schm.* 327, 3158.

Cosmorhoe chalybeata, *Hubn. Verz. Schm.* 326, 3154.

Melanippe galiata, *Dup. Lep.* v. 268, pl. 189, f. 2. *Guen. Phal.* ii. 401, 1546.

Melanthia galiata, *Boisd. Ind.* 217, 1795.

Harpalyce galiata, *Steph. Ill. Brit. Haust.* iii. 222, 3.

Larentia galiata, *Herr.-Sch. Eur. Schm.* iii. 150, 104. *Delah. Schm.* 242.

a. England. Presented by W. R. H. Jordan, Esq.

b—s. England. From Mr. Stephens' collection.

t—w. England.

24. MELANIPPE FLUCTUATA.

Albido-cinerea; *caput et thorax fusca*; *abdomen punctis fuscis bilineatum*; *alæ lineis indistinctis denticulatis fusciscentibus, punctis marginalibus nigris*; *anticæ basi, fascia postice sub-obsolete maculisque duabus subapicalibus fuscis cinereo conspersis, puncto discali punctisque venarum nigris.*

———, *Göed. Ins.* 21, pl. K. *List. ed. Göed.* f. 13. *Frisch. Ins.* vii. pl. 19. *Merian, Ins. Eur.* pl. 120. *De Vill. Ent. Linn.* ii. 348, 535.

Phalæna-Geometra fluctuata, *Linn. Syst. Nat.* i. 2, 871, 260; *Faun. Suec.* 1281. *Gmel. ed. Syst. Nat.* i. 5, 2479, 260.

Phalæna fluctuata, *Fabr. Sp. Ins.* ii. 261, 112; *Mant. Ins.* ii. 204, 166; *Ent. Syst.* iii. 2, 185, 202.

Geometra fluctuata, *Wien. Verz.* 114, 1. *Schw. Beitr.* pl. 23, f. 3, 5, 6. *Ill. N. Ausg. dess.* i. 163, 2. *Bork. Eur. Schm.* v. 438, 216. *Schr. Faun. Boic.* ii. 2, 47, 1681. *Sepp. Schm.* iii. pl. 24, f. 1—5. *Hubn. Geom.* pl. 48, f. 249. *Haw. Lep. Brit.* 333. *Lyon. Ins.* 273, pl. 27, f. 18—22.

Geometra fibulata, *Hufn. Berl. Mag.* iv. 6, 604, 65; *Naturf.* xi. 80, 65.

Geometra costovata, *Haw. Lep. Brit.* 334.

Plemyria fluctuata, *Hubn. Verz. Schm.* 327, 3160.

Zerene fluctuata, *Treit. Schm.* vi. 2, 219, 2.

Melanippe fluctuata, *Dup. Lep.* v. 265, pl. 189, f. 3.

Melanthia fluctuata, *Boisd. Ind.* 217, 1793. *Guen. Phal.* ii. 402, 1547.

Cidaria fluctuata, *Steph. Ill. Brit. Haust.* iii. 219, 11.

Larentia fluctuata, *Herr.-Sch. Eur. Schm.* iii. 154, 118. *Delah. Schm.* 254.

a—w. England. From Mr. Stephens' collection.

x—ee. England.

ff. Scotland. From Mr. Foxcroft's collection.

gg—ii. Europe. From M. Becker's collection.

25. MELANIPPE ALPICOLARIA.

Cinerea ; alæ spatio marginali fuscescente lineam submarginalem albam denticulatam includente, punctis marginalibus nigris ; anticæ basi fasciaque media fuscescentibus nigro marginatis ; posticæ puncto discali lineaque exteriore punctulari nigris.

Larentia alpicolaria, Herr.-Sch. Eur. Schm. iii. 153, 117.

Larentia abstersaria, Herr.-Sch. Eur. Schm. iii. pl. 20, f. 119, 120.

Melanippe alpicolaria, Guen. Phal. ii. 403, 1549.

Noric Alps.

26. MELANIPPE PERMIXTARIA.

Mas et fœm. Alba ; palpi breves, cyaneo-nigri ; antennæ simplices, velutinæ ; abdomen punctis nigris bilineatum ; ulæ anticæ productæ, spatio basali lato postice retracto nigro-fusco et cyanescente-cinereo, fascia marginali interrupta cyanescente-cinerea antice fusca lineam submarginalem albam angulosam includente, linea exteriore tenui duplicata dentata sinuata punctata nigra ; posticæ lineis plurimis nigris incompletis, linea duplicata pallide fusca, fascia marginali interrupta cyanescente-cinerea.

Larentia permixtaria, Herr.-Sch. Eur. Schm. Sup. f. 515.

Melanippe permixtaria, Guen. Phal. ii. 404, 1550.

Beyrout.

27. MELANIPPE PUTRIDARIA.

Generi sequenti proxima, M. fluctuata et M. rubidata non valde diversa.

Larentia putridaria, Herr.-Sch. Eur. Schm. Sup. 78, f. 535, 536.

Melanippe putridaria, Guen. Phal. ii. 404, 1551.

Elizabethopolis.

28. MELANIPPE? SPARSATA.

Alæ fusco-subcinereæ, strigis undulatis fuscis et albidis; anticæ fascia media alba obscure marginata et puncto medio minuto fusco.

Cidaria sparsata, Zett. *Ins. Lapp.* 765, 12.

Lapland.

North America.

The species of this region will form three groups; the first belongs to the first European group; the second to the third European group; and the third to the seventh European group.

Group 1.

29. MELANIPPE GOTHICATA.

Nigra; alæ fascia exterior alba varia nigro punctata, linea submarginali alba valde interrupta, fimbria albo guttata; anticæ lineis interioribus albis. Var. β .—*Alæ lineis plurimis albis.* Var. γ .—*Alæ anticæ fasciis duabus latissimis albis postice connexis; posticæ albæ, nigro marginatæ.*

Melanippe gothicata, Guen. *Phal.* ii. 388, 1521.

This species varies exceedingly as to the relative proportion of black and white on the wings.

a. Vancouver's Island. Presented by Dr. Lyall.

b, c. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.

d, e. Orilla, West Canada. From Mr. Bush's collection.

f. Nova Scotia. From Lieut. Redman's collection.

g. East Florida. Presented by E. Doubleday, Esq.

h, i. ———? From Mr. Milne's collection.

30. MELANIPPE PROPRIARIA.

Fœm. Nigra; corpus subtus albidum; palpi porrecti, brevissimi; anticæ fascia exterior lata nivea apud angulum interiorem subfurcata.

Female. Black, slender. Body and legs whitish beneath. Palpi porrect, very short, hardly extending beyond the front. Fore wings with a broad exterior upright snow-white band, which is

slightly furcate by the interior angle. Length of the body $3\frac{1}{2}$ lines; of the wings 10 lines.

Canada. In Mr. D'Urban's collection.

31. MELANIPPE RECIPROCATÆ.

Mas et fœm. *Nigra; oculi albo cincti; abdomen subtus albidum; alæ fimbria apicali alba; anticæ fascia alba vix obliqua sæpissime apud angulum interiorem furcata rarissime ramulum costam versus emittente, punctis duobus costalibus albis; fimbria postice albo notata.*

Male and female. Black. Allied to *M. propria*. Head white about the eyes. Abdomen whitish beneath. Fore wings with a white hardly oblique band, which varies in breadth and generally is forked by the interior angle, and very rarely emits a branch on the inner side towards the costa; two white costal points nearer the base; fringe white at the tips and towards the interior angle. Hind wings with the fringe white about the tips. Length of the body $3\frac{1}{2}$ lines; of the wings 12 lines.

a—f. Nova Scotia. From Lieut. Redman's collection.

g. Orilla, West Canada. From Mr. Bush's collection.

h—j. United States. Presented by E. Doubleday, Esq.

32. MELANIPPE FURCIFASCIÆ.

Fœm. *Nigra; oculi albo cincti; abdomen subtus albidum; alæ anticæ fasciæ alba non obliqua vix flavescens suffusa intus excavata extus angulata postice furcata.*

Female. Black. Head white about the eyes. Abdomen whitish beneath. Fore wings with an upright white band, which has a nearly imperceptible yellowish tinge, and is notched on the inner side, is acutely angular on the outer side, and is forked by the interior border. Length of the body 5 lines; of the wings 16 lines.

This species has no white marks on the wings, except the band, and thus may be distinguished from some of the extreme varieties of *M. gothicata*, to which it has much resemblance; it seems to be the connecting link between the latter species and *M. reciprocatæ*.

a. ———? From Mr. Milne's collection.

33. MELANIPPE DECISATA.

Mas. *Atra; antennæ subserratae, sat robustæ; abdominis segmenta subtus albo marginata; alæ anticæ fascia obliqua alba postice truncata, fimbria albo binotata; posticæ striga discali obliqua fusiformi fimbriaque albis.*

Male. Deep black. Antennæ rather stout, minutely serrated. Abdominal segments with white hind borders on the under side. Fore wings with an oblique white band, which is obliquely truncated hindward, but corresponds to a white mark on the fringe by the hind end of the exterior border; tips with a white fringe. Hind wings with a white fusiform discal streak, which is oblique in a contrary direction to the band of the fore wings; fringe white. Length of the body $4\frac{1}{2}$ lines; of the wings 14 lines.

a. ———?

34. MELANIPPE CONCORDATA.

Fœm. *Fuscescente-nigra; corpus subtus album; oculi albo cincti; alæ anticæ fascia erecta exteriore interlineata intus excavata extus convexa lineaque submarginali denticulata incompleta albis, lineis interioribus cinereis, fimbria albido guttata; posticæ subtus albo fasciatæ, fimbria albida.*

Female. Brownish black. Body white beneath. Head white about the eyes. Fore wings with a white upright exterior band, which is notched on the inner side and has a corresponding convexity on the outer side, and is slightly interlined; some indistinct interior cinereous denticulated lines; submarginal line white, denticulated, incomplete; fringe with whitish dots. Hind wings with a white band like that of the fore wings on the under side; fringe whitish, mingled with blackish towards the base. Length of the body 5 lines; of the wings 14 lines.

- a.* St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.
b. Nova Scotia. From Lieut. Redman's collection.
c, d. ———?

Group 2.

35. MELANIPPE LACUSTRATA.

Fuscescente-cinerea ; alæ puncto discali punctisque marginalibus nigris ; anticæ lineis nigris denticulatis, fascia media extus angulata spatioque marginali ex parte obscurioribus, fascia exteriori lineaque submarginali denticulata albis ; posticæ lineis vix conspicuis.

Melanippe lacustrata, *Guen. Phal.* ii. 395, 1535.

- a. United States. Presented by E. Doubleday, Esq.
- b. Orilla, West Canada. From Mr. Bush's collection.

36. MELANIPPE INTERMEDIATA.

Cinerascens ; alæ fascia exteriori lineaque submarginali denticulata albis, spatio marginali plus minusve fuscescente-cinereo, lunulis marginalibus nigris ; anticæ basi cervinæ, fascia media fusca extus angulata guttam discalem lineasque nigras includente ; posticæ albidæ, lineis fuscescentibus sæpe indistinctis.

Melanippe intermediata, *Guen. Phal.* ii. 595, 1536.

- a—c. New York. Presented by E. Doubleday, Esq.
- d. Canada. Presented by W. S. M. D'Urban, Esq.
- e, f. Orilla, West Canada. From Mr. Bush's collection.
- g. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.
- h—j. Nova Scotia. From Lieut. Redman's collection.

Group 3.

37. MELANIPPE IDEATA.

Cervino-cinerea ; alæ anticæ lineis interioribus fuscis denticulatis, fascia media obliqua subangulata fusca guttam discalem lineasque nigras includente, spatio marginali fuscescente-cinereo lineam submarginalem albam denticulatam includente, plaga costali apicali fusca ; posticæ albidæ, lineis fuscescentibus valde indistinctis.

Melanippe ideata, *Guen. Phal.* ii. 403, 1548.

Canada.

- a—e. Nova Scotia. From Lieut. Redman's collection.

South America.

The following species appears to be distinct from all the preceding groups.

38. MELANIPPE PRODUCTATA.

Mas. *Testaceo-cinerea* ; palpi oblique ascendentes ; antennæ subpubescentes ; alæ productæ ; anticæ acutæ, fascia obliqua fusca nigro marginata et interlineata maculam costulem testaceo-cineream includente, spatio interiore vix pallidior, linea submarginali pallida denticulata, punctis submarginalibus nigris ; posticæ fuscescente-cinereæ.

Male. Testaceous-cinereous. Palpi obliquely ascending, not rising higher than the front. Antennæ minutely pubescent. Wings somewhat elongated. Fore wings acute, with a brown oblique band, which is interlined and more distinctly bordered with black, and contains a testaceous-cinereous costal spot ; the space from this band nearly to the base is almost as dark as the band, and is also interlined with black ; a broad brown costal streak, which extends to the tip ; some traces of exterior denticulated black lines ; submarginal line pale, denticulated ; submarginal points black ; exterior border very oblique. Hind wings brownish cinereous. Length of the body 6 lines ; of the wings 18 lines.

a. Venezuela. From Mr. Dyson's collection.

Hindustan.

The first of the two following species belongs to the second European group of the genus, and the second will form a new group.

39. MELANIPPE RESTITUTATA.

Fœm. *Albida* ; caput et thorax fusca ; palpi graciles, læves ; alæ atomis spatioque marginali fuscescentibus, gutta discali fusca, linea submarginali alba undulata, lunulis marginalibus nigris ; anticæ vix acutæ, basi fasciæque exteriori flexa nigro ex parte marginatis, hac ramum latum emittente ; posticæ vix lineatæ.

Female. Whitish. Head and thorax brown. Palpi slender, smooth. Wings transversely brownish-speckled ; discal dot brown ; marginal space brownish ; submarginal line white, undulating,

partly obliterated in the fore wings; marginal lunules black. Fore wings hardly acute; base and an exterior bent irregular band brown, partly bordered with black; the band emitting a broad branch to the costa; some costal traces of an intermediate band. Hind wings with some traces hindward of a middle line, which is distinguished by black points. Length of the body 5 lines; of the wings 16 lines.

a. Punjaub. Presented by Sir J. Hearsay.

40. MELANIPPE LATIFUSATA.

Fœm. Fuscescens; palpi obtusi, articulo 3o minimo; alæ albo latissime marginatæ, striga discali nigricante, linea marginali nigra interrupta; anticæ elongatæ, acutæ, striga apicali obliqua fusca, margine exteriori perobliquo.

Female. Brownish. Palpi obtuse; third joint extremely short. Wings very broadly bordered with white; discal streak blackish, transverse; marginal line black, interrupted. Fore wings elongate, acute; outline of the brown part undulating; an oblique apical brown streak; exterior border very oblique. Length of the body 6 lines; of the wings 18 lines.

Hindustan. In Mr. Saunders' collection.

Isle Tristam da Cunha.

The following species is very distinct from all the other groups of *Melanippe*, and may form a new genus.

41. MELANIPPE? CONTRARIATA.

Mas. Cinereo-fusca; palpi subflexi, oblique decumbentes; antennæ pubescentes; abdominis latera subfasciculata; alæ albidæ, fusco subconspersæ, gutta discali punctisque marginalibus nigris, margine exteriori fusciscente, linea submarginali subobsoleta; anticæ basi fasciæque lata fuscis; posticæ fascia subvacua.

Male. Cinereous-brown. Palpi obliquely decumbent, slightly bent; third joint conical. Antennæ pubescent. Abdomen with minute tufts along each side; apical tuft rather large. Wings whitish, slightly speckled with brown; discal dot black, largest in the fore wings; exterior border shaded with brown; submarginal line almost obsolete; marginal points black. Fore wings brown at the base, and with a broad brown middle band, which is darkest along the

borders, and whose outer border is more irregular than the dentate interior border. Hind wings with the band of the fore wings distinguished by its borders. Length of the body 4 lines; of the wings 10 lines.

a, b. Isle Tristam da Cunha.

Australia.

42. MELANIPPE ICTERATA.

Fuscescente-atra; alæ anticæ fascia nigro punctata lineaque submarginali valde interrupta connexis sulphureo-albis, lineis interioribus plurimis; posticæ nonnunquam sulphureo-albo maculatæ.

Melanippe icterata, Guen. Phal. ii. 387, 1520, pl. 9, f. 9.

Australia.

Genus 19. ANTICLEA.

Corpus sat gracile. Proboscis gracilis, brevis. Palpi squamosi, frontem non aut vix superantes; articulus 3us minimus. Antennæ filiformes, maris nonnunquam pubescentes. Abdomen sericeum, carinatum, alas posticas non superans. Pedes breviusculi, læves, sat validi; calcaria quatuor longa. Alæ anticæ apice productæ, lituris optime determinatis.

Zerene, p., Cidaria, p., et Larentia, p., Treit.

Mesoleuca et Amoebe, Hubn. Verz. Schm. 326, 333.

Anticlea, Steph. Ill. Brit. Haust. iii. 226. Guen. Phal. ii. 404. †

Lampropteryx, p., Steph.

Cidaria, p., Boisd.

Larentia, p., Herr.-Sch.

Body rather slender. Proboscis slender, short. Palpi squamous, not or hardly extending beyond the front; third joint very short. Antennæ filiform, occasionally pubescent in the male. Abdomen silky, keeled, not extending behind the hind wings. Legs smooth, rather short and stout; hind tibiæ with four long spurs. Fore wings prolonged at the tips, with very distinct markings.

1. ANTICLEA SINUATA.

Albido-cinerea; caput et thorax cinereo-ferruginea; thorax nigro fasciatus; alæ lineis denticulatis fusciscentibus subobsoletis, margine exteriori cinereo lineam submarginalem albidam angulosam includente; anticæ spatio basali cinereo-rufescente fascias duas nigras cinereo marginatas includente, plaga costali subapicali nigra et rufescente-albido interlineata, puncto discali sæpe obsoleto.

Geometra sinuata, *Wien. Verz.* 114, 6. *Brahm, Ins. Kal.* 127?
Ill. N. Ausg. dess. i. 465, 6. *Frey. Beitr.* i. 22, pl. 6, f. 1.
Hubn. Geom. pl. 56, f. 288. *Haw. Lep. Brit.* 326.

Geometra cucullata, *Bork. Eur. Schm.* v. 220.

Zerene sinuata, *Treit. Schm.* vi. 2, 227, 6. *Dup. Lep.* v. 348, pl. 194, f. 6, *Eversm. Faun. Volg.-Ural.* 431.

Cidaria sinuata, *Boisd. Ind.* 213, 1756.

Larentia sinuata, *Herr.-Sch. Eur. Schm.* iii. 150, 105. *Delah. Schm.* 256.

Anticlea sinuata, *Steph. Ill. Brit. Haust.* iii. 237, 3. *Guen. Phal.* ii. 406, 1553.

Mesoleuca sinuata, *Hubn. Verz. Schm.* 326, 3149.

a, b. England. Presented by W. W. Walcott, Esq.

c—g. England. From Mr. Stephens' collection.

h. England.

i—k. Europe. From M. Becker's collection.

2. ANTICLEA RUBIDATA.

Rufa; thorax postice nigro marginatus; abdomen cinereo-rufescens, segmentis albido marginatis; alæ lineis plurimis denticulatis fusciscentibus, linea submarginali cinerea angulosa, linea marginali e lunulis nigris; anticæ fasciis duabus cinereis nigro interlineatis et diffuse marginatis; posticæ cinereæ, extus rufescentes.

———, *De Vill. Ent. Linn.* iv. 504.

Geometra rubidata, *Wien. Verz.* 113, 22. *Bork. Eur. Schm.* v. 418, 205. *Ill. N. Ausg. dess.* i. 459, 22. *Hubn. Geom.* pl. 56, f. 290. *Haw. Lep. Brit.* 325. *Frey. Beitr.* pl. 18, f. 2.

Cidaria rubidata, *Treit. Schm.* vi. 2, 188, 26. *Dup. Lep.* v. 343, pl. 194, f. 5.

Phalæna rubidata, *Fabr. Ent. Syst.* iii. 2, 180, 184.

Amoebe rubidata, *Hubn. Verz. Schm.* 333, 3206.

Anticlea rubidata, *Steph. Ill. Brit. Haust.* iii. 236, 2. *Guen. Phal.* ii. 406, 1554.

Cidaria rubidata, *Boisd. Ind.* 214, 1757.

Larentia rubidata, *Herr.-Sch. Eur. Schm.* iii. 146, 90. *Delah. Schm.* 231.

a—g. England. From Mr. Stephens' collection.

h.

i—m. England. Presented by W. R. H. Jordan, Esq.

n—q. England. Presented by H. Rogers, Esq.

r, s. Europe. From M. Becker's collection.

3. ANTICLEA CUPREARIA.

Ferruginea; alæ puncto discali punctisque marginalibus nigris; anticæ fasciis duabus pallidioribus, lineis plurimis subdentulatis strigae apicali nigris, linea marginali chalybea, venis albido punctatis; posticæ cinereæ, subfasciatæ.

Larentia cuprearia, *Herr.-Sch. Eur. Schm.* iii. 174, 199, pl. 60, f. 372.

Anticlea cuprearia, *Guen. Phal.* ii. 407, 1555.

Sicily.

4. ANTICLEA BADIATA.

Rufescens; abdomen punctis nigris bilineatum; alæ anticæ lineis subundulatis spatioque medio flavescentibus, fasciis duabus basalibus atro marginatis antice flexis, linea exteriori atro ex parte marginata, striga apicali angulata atra, litura submarginali albo; posticæ rufescente-cinereæ.

Geometra badiata, *Wien. Verz.* 111, 3. *Ill. N. Ausg. dess.* i. 447, 3. *Hubn. Geom.* pl. 56, f. 291. *Haw. Lep. Brit.* 325.

Geometra berberata, *Don. Brit. Ins.* xiv. pl. 493, f. 1.

Amoebe badiata, *Hubn. Verz. Schm.* 333, 3209.

Larentia badiata, *Treit. Eur. Schm.* vi. 2, 80, 5. *Dup. Lep.* v. 345, pl. 194, f. 3.

Cidaria badiata, *Boisd. Ind.* 214, 1758.

Larentia badiaria, *Herr.-Sch. Eur. Schm.* iii. 145, 88. *Delah. Schm.* 2, 29.

Lampropteryx badiata, *Steph. Ill. Brit. Haust.* iii. 235, 3.

Anticlea badiata, *Guen. Phal.* ii. 407, 1556.

a—m. England. From Mr. Stephens' collection.

n—s. England.

t—w. Europe. From M. Becker's collection.

5. ANTICLEA DERIVATA.

Albida ; caput et thorax ferruginea ; abdomen cinereum, segmentis fusco fasciatis albo marginatis ; alæ lineis paucis, spatio marginali purpurascente, punctis marginalibus nigris ; anticæ fasciis duabus interioribus strigaeque exteriore antica obliqua undulata fuscis nigro marginatis.

———, *Albin, Ins. pl. 49, f. 83. Deg. Ins. i. pl. 9, f. 1—5 ; ii. 457. De Vill. Ent. Linn. ii. 378, 613.*

Geometra derivata, Wien. Verz. 113, 24. Bork. Eur. Schm. v. 421, 207. Ill. N. Ausg. dess. i. 460, 24. Hubn. Geom. pl. 56, f. 289. Haw. Lep. Brit. 326.

Cidaria derivata, Treit. Schm. vi. 2, 183, 24. Dup. Lep. v. 337, pl. 194, f. 1. Boisd. Ind. 214, 1760.

Geometra fimbriata, Fabr. Ent. Syst. iii. 2, 187, 212.

Amoebe derivata, Hubn. Verz. Schm. 333, 3208.

Anticlea derivata, Steph. Ill. Brit. Haust. iii. 237, 4. Guen. Phal. ii. 408, 1558.

Larentia derivata, Herr.-Sch. Eur. Schm. iii. 154, 120. Delah. Schm. 256.

a—j. England. From Mr. Stephens' collection.

k—m. England.

n—q. Europe. From M. Becker's collection.

r. ———?

6. ANTICLEA BERBERATA.

Ferrugineo-cinerea ; alæ anticæ lineis interioribus nigris subrectis non obliquis cinereo marginatis, lineis exterioribus nigris dentatis, linea submarginali albido angulosa, striga obliqua apicali atra ; posticæ cinereæ, lineis denticulatis subobsoletis.

———, *De Vill. Ent. Linn. iv. 505.*

Geometra berberata, Wien. Verz. 113, 23. Schw. Beitr. 32, pl. 4, f. 1, 2. Schr. Faun. Boic. ii. 2, 45, 1678. Bork. Eur. Schm. v. 460, 206. Ill. N. Ausg. dess. i. 460, 23. Hubn. Geom. pl. 56, f. 287.

Phalæna berberata, Fabr. Ent. Syst. iii. 2, 182, 189.

Amoebe berberata, Hubn. Verz. Schm. 333, 3207.

Cidaria berberata, Treit. Schm. vi. 2, 185, 25. Dup. Lep. v. 340, pl. 194, f. 2. Boisd. Ind. 214, 1759.

Anticlea berberata, Steph. Ill. Brit. Haust. iii. 235, 1. Guen. Phal. ii. 408, 1559.

Larentia berberata, Herr.-Sch. Eur. Schm. iii. 146, 89. Delah. Schm. 230.

a—c. England. From Mr. Stephens' collection.

d—g. England.

h, i. Europe. From M. Becker's collection.

North America.

7. ANTICLEA VASILATA.

Rufescens, *A. badiatæ* affinis; *alæ anticæ lineis interioribus nigris undulatis, fascia media flavescente, linea exteriori nigra angulosa postice attenuata, linea submarginali albida denticulata, striga apicali nigra angulata; posticæ cinereæ, rufescente marginatæ.*

Anticlea vasilata, Guen. Phal. ii. 407, 1557.

a. West Canada. From Mr. Bush's collection.

b. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.

South America.

8. ANTICLEA ? HYDRIATA.

Fœm. *Pallide carnea; alæ anticæ lineis arcuato-dentatis, fascia interiore olivacea interrupta, lineola adhuc interiore ferruginea, fascia media olivacea, linea exteriori nigra valde dentata, lineola adhuc exteriori ferruginea, lineis tribus submarginalibus nigricantibus, striga discali nigra; posticæ flavo-albæ, angustæ.*

Anticlea ? hydriata, Guen. Phal. ii. 405, 1552.

Brazil.

Genus 20. COREMIA.

Corpus sat robustum. Proboscis brevis. Palpi rostriformes, acuti, caput sæpissime paullo superantes; articulus 3us minimus. Antennæ maris pubescentes, ciliatæ aut pectinatæ. Abdomen sat robustum, alas posticas non superans, sæpissime notatum. Pedes læves, sat validi; tibiæ calcaribus quatuor longis. Alæ velutinæ, integræ; anticæ acutæ, nonnunquam falcatæ; posticæ lituris plus minusve oblitteratis.

Cidaria, p., *Treit.*; *Dup.*; *Steph.*; *Boisd.*

Acidalia, p., *Treit.*

Ochyria, *Hubn. Verz. Schm.* 334.

Eubolia, p., *Boisd.*

Larentia, p., *Herr.-Sch.*

Coremia, *Guen. Phal.* ii. 408.

Harpalyce, p., *Steph.*

Body moderately stout. Proboscis short. Palpi rostriform, acute, extending most often somewhat beyond the head; third joint very short. Antennæ pubescent, ciliated or pectinated in the male. Abdomen rather robust, almost always marked with two rows of points or of dots on the sutures, not extending beyond the hind wings. Legs smooth, moderately stout; hind tibiæ with four long spurs. Wings entire, velvety. Fore wings acute, sometimes falcate. Hind wings with the markings somewhat obliterated.

Europe and West Asia.

1. COREMIA MUNITATA.

Rufescente-cinerea; *alæ spatio marginali obscuriore, linea submarginali pallida denticulata*; *anticæ basi fasciæque media antice dilatata extus undulata non angulata rufescentibus.*

Geometra munitata, *Hubn. Geom.* f. 346.

Ochyria munitata, *Hubn. Verz. Schm.* 334, 3215.

Geometra decoloraria, *Esp. Schm.* v. pl. 50, f. 5.

Cidaria munitata, *Boisd. Ind.* 214, 1770. *Steph. Ill. Brit. Haust.* iii. 214, 2.

Coremia munitata, *Guen. Phal.* ii. 409, 1560.

Larentia munitata, *Herr.-Sch. Eur. Schm.* iii. 167, 168, pl. 9, f. 53.

a—g. England. From Mr. Stephens' collection.

h. England. Presented by S. Stevens' collection.

i. England.

2. COREMIA PROPUGNATA.

Albido-cinerea; *alæ lineis subobsoletis, spatio marginali fuscescente lineam submarginalem albidam angulosam includente, linea marginali nigricante interrupta*; *anticæ basi fasciæque extus dentata rufescentibus interlineatis nigricante submarginatis.*

———, *De Vill. Ent. Linn.* iv. 507.

Geometra propugnata, *Wien. Verz.* 112, 7. *Schr. Faun. Boic.* ii. 2, 38, 1668? *Ill. N. Ausg. dess.* i. 453, 7. *Bork. Eur. Schm.*

v. 378, 184. *Sepp, Schm.* iv. pl. 29, f. 7—9. *Hubn. Geom.* pl. 55, f. 286. *Haw. Lep. Brit.* 334.

Phalæna propugnata, *Fabr. Mant. Ins.* ii. 205, 170; *Ent. Syst.* iii. 2, 188, 214.

Phalæna-Geometra propugnata, *Gmel. ed. Syst. Nat.* i. 5, 2474, 722.

Phalæna designata, *Hufn. Berl. Mag.* iv. 6, 612, 83.

Geometra designata, *Bork Eur. Schm.* v. 188.

Cidaria propugnata, *Treit. Schm.* vi. 2, 141, 1. *Dup. Lep.* v. 184, pl. 183, f. 5. *Steph. Ill. Brit. Haust.* iii. 220, 12. *Boisd. Ind.* 214, 1771.

Ochyria propugnata, *Hbn. Verz. Schm.* 334, 3218.

Larentia propugnata, *Herr.-Sch. Eur. Schm.* iii. 147, 94. *Delah. Schm.* 234.

Coremia propugnata, *Guen. Phal.* ii. 412, 1567.

a—l. England. From Mr. Stephens' collection.

m—p. England.

q, r. Europe. From M. Becker's collection.

s—w. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.

x, y. Orilla, West Canada. From Mr. Bush's collection.

z—dd. Trenton Falls, New York. Presented by E. Doubleday, Esq.

ee—gg. Nova Scotia. From Lieut. Redman's collection.

hh. Canada. Presented by W. S. M. D'Urban, Esq.

3. COREMIA FERRUGATA.

Cinerea; *abdominis segmenta nigro bipunctata*; *alæ punctis marginalibus nigris*; *anticæ ferrugineo-fusæ, lineis denticulatis nigris*; *posticæ lineis diffusis fuscescentibus*.

———, *Albin. Ins.* pl. 97, f. e—h. *De Vill. Ent. Linn.* ii. 359, 559.

Phalæna-Geometra ferrugata, *Linn. Faun. Suec.* 1292. *Clerck, Icon.* pl. 6, f. 14. *Gmel. ed. Syst. Nat.* i. 5, 2481, 750.

Phalæna ferrugata, *Fabr. Sp. Ins.* ii. 264, 131; *Mant. Ins.* ii. 208, 197; *Ent. Syst.* iii. 2, 196, 242.

Geometra ferrugata, *Wien. Verz.* 113, 11. *Bork. Eur. Schm.* v. 387, 189. *Hubn. Geom.* pl. 55, f. 285; pl. 89, f. 460. *Haw. Lep. Brit.* 308. *Sepp, Schm.* v. pl. 31. *Ill. N. Ausg. dess.* i. 455, 11, 12.

- Geometra unidentaria*, *Haw. Lep. Brit.* 308, 101.
Geometra unilobata, *Haw. Lep. Brit.* 331.
Geometra alchemillata, *Esp. Schm.* v. 224, pl. 40, f. 5, 6.
Geometra linariaria, *Bork. Eur. Schm.* v. 381, 186.
Cidaria ferrugata, *Treit. Schm.* vi. 2, 148, 6. *Dup. Lep.* v. 181, pl. 183, f. 6. *Steph. Ill. Brit. Haust.* iii. 216, 5.
Eubolia ferrugata, *Boisd. Ind.* 203, 1628.
Larentia ferrugata, *Herr.-Sch. Eur. Schm.* iii. 149, 100. *Delah. Schm.* 239.
Coremia ferrugata, *Guen. Phal.* ii. 413, 1568.
Cidaria unidentaria, *Steph. Ill. Brit. Haust.* iii. 215, 3.
Harpalyce unilobata, *Steph. Ill. Brit. Haust.* iii. 223, 4.
a—kk. England. From Mr. Stephens' collection.
ll, mm. England. From Mr. Foxcroft's collection.
nn—ww. England.
xx, yy. Europe. From M. Becker's collection.
zz—bbb. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.
ccc, ddd. New York. Presented by E. Doubleday, Esq.
eee, fff. Nova Scotia. From Lieut. Redman's collection.

4. COREMIA POMÆRIARIA.

Pallide cervina; alæ anticæ lineis denticulatis punctisque marginalibus nigris, fascia antice dilatata maculisque duabus anticis submarginalibus obscure fuscis; posticæ pallide cinereæ, lineis nigro-cinereis.

- Geometra quadrifasciata*, *Wien. Verz.* 112, 6? *Hubn. Geom.* pl. 55, f. 284. *Ill. N. Ausg. dess.* i. 453, 6.
Cidaria quadrifasciata, *Treit. Schm.* vi. 2, 146, 5. *Dup. Lep.* v. 179, pl. 183, f. 7.
Ochyria quadrifasciata, *Hubn. Verz. Schm.* 334, 3217.
Cidaria pomæriaria, *Eversm. Faun. Volg.-Ural.* 417. *Metzner, Ent. Zeit. Stett.* vii. 240, 2.
Larentia quadrifasciata, *Herr.-Sch. Eur. Schm.* iii. 148, 97. *Delah. Schm.* 236.
Coremia pomæriaria, *Guen. Phal.* ii. 415, 1570.
 Germany. Switzerland. Lapland.

5. COREMIA BISTRIGATA.

Cinerea; alæ lineis plurimis subdentatis fuscis, nonnullis diffusis, linea submarginali albida denticulata, linea marginali nigra lunulata, subtus ochraceo tinctæ.

Acidalia bistrigata, *Treit. Schm.* vi. 2, 59, 41.

Larentia bistrigata, *Herr.-Sch. Eur. Schm.* iii. 148, 96, pl. 1, f. 3—5.

Coremia bistrigata, *Guen. Phal.* ii. 416, 1572.

Sardinia. Sicily.

a. Europe. From M. Becker's collection.

6. COREMIA LIGULARIA.

Pallide cinerea; palpi caput sat superantes; antennæ maris ciliatæ; abdomen punctis nigris indistinctis; alæ flavescens-fusco subtinctæ, fasciis e lineis undulatis nigro-cinereis, fascia marginali lineam submarginalem pallidam denticulatam includente.

Coremia ligularia, *Guen. Phal.* ii. 417, 1573.

Lapland.

7. COREMIA QUADRIFASCIARIA.

Ferruginea; abdominis segmenta nigro bipunctata; alæ punctis marginalibus nigris; anticæ lineis undulatis nigricantibus, lineis duabus nigris distinctioribus, 2a angulata, fascia exterior alba, linea submarginali alba antice nigro nebulosa; posticæ lineis fuscescentibus diffusis. Var.—Alæ anticæ fascia exterior rufescente.

Phalæna-Geometra quadrifasciaria, *Linn. Faun. Suec.* 1253. *Clerck, Icon.* pl. 6, f. 4. *Gmel. ed. Syst. Nat.* i. 5, 2474, 721.

Phalæna quadrifasciaria, *Fabr. Sp. Ins.* ii. 262, 117; *Mant. Ins.* ii. 205, 175; *Ent. Syst.* iii. 2, 188, 213.

Geometra ligustraria, *Wien. Verz.* 112, 5? *Hubn. Geom.* pl. 55, f. 282. *Frey. Beitr.* pl. 114.

Geometra quadrifasciaria, *Bork. Eur. Schm.* v. 376, 183. *Haw. Lep. Brit.* 307.

Geometra badiata? *Bork. Eur. Schm.* v. 344, 165.

Cidaria ligustraria, *Treit. Schm.* vi. 1, 151, 5. *Dup. Lep.* v. 176, pl. 183, f. 4.

Ochyria ligustrata, *Hubn. Verz. Schm.* 334, 3214.

Cidaria quadrifasciaria, *Steph. Ill. Brit. Haust.* iii. 215, 4.

Eubolia ligustraria, *Boisd. Ind.* 204, 1630.

Larentia ligustraria, *Herr.-Sch. Eur. Schm.* iii. 147, 95.

Coremia quadrifasciaria, *Guen. Phal.* ii. 417, 1575.

a—f. England. From Mr. Stephens' collection.

g—k. England.

l—p. Europe. From M. Becker's collection.

8. COREMIA ORTHOGRAMMARIA.

Mas. *Flavescente-alba*; *palpi longi, recti*; *antennæ ramis attenuatis valde pubescentibus*; *alæ punctis marginalibus duplicatis*; *anticæ linea interiore recta subflexa, linea exteriori unangulata, spatio intermedio nigricante, punctis duobus exterioribus obscuris, macula apicali pallida*; *posticæ lineis plurimis, fasciola media pallida divisa.*

Coremia orthogrammaria, *Guen. Phal.* ii. 417, 1574.

Georgia in Asia.

North America.

9. COREMIA CONVALLARIA.

Mas. *C. munitatæ valde affinis, rufescente-testacea*; *antennæ ramis valde robustis*; *alæ anticæ fascia media lineata, striga subapicali*; *posticæ pallidæ, linea media indistincta magis arcuata, margine exteriori subroseo.*

Coremia convallaria, *Guen. Phal.* ii. 410, 1561.

California.

10. COREMIA DEFENSARIA.

Mas. *C. convallariæ valde affinis*; *antennæ ramis crassioribus subclavatis*; *alæ anticæ obscuriores, fascia media magis angulata, lineis tribus exterioribus e punctis venarum nigris, linea submarginali distincta e dentibus arcuatis*; *posticæ lituris vix diversis.*

Coremia defensaria, *Guen. Phal.* ii. 411, 1562.

California.

11. COREMIA PLEBECULATA.

Mas. *Nigricante-cinerea*; antennæ non ciliatæ; alæ punctis triangularibus marginalibus nigris; anticæ ochraceo variæ, spatio medio lato saturatiore lineas includente, lineæ exterioris angulo rotundato, spatio marginali obscuriore; posticæ pallide flavæ, lineis quatuor nigris postice abbreviatis.

Coremia plebeculata, Guen. *Phal.* ii. 419, 1580.

California.

12. COREMIA ? PALPARIA.

Mas. *Cinerea, fusco conspersa*; palpi porrecti, longi, compressi, pilosi; alæ anticæ fascia obscure fusca lata albido marginata extus undulata intus postice dilatata, lineæ exteriori indistincta angulosa obscure fusca, gutta subapicali punctisque marginalibus nigris, fimbria albo punctata.

Male. Cinereous, brown-speckled. Palpi porrect, long, compressed, pilose, extending rather far beyond the head. Fore wings with a broad dark brown band, which is undulating whitish-bordered and slightly angular on the outer side and is diffuse on the inner side, except hindward, where it is dilated and whitish-bordered and forms a prominent angle; space near the exterior side of the band whitish, succeeded by an indistinct zigzag dark brown line, which is accompanied by a brown spot on each border; a black subapical dot; marginal points black; fringe with white points. Hind wings with a blackish marginal line. Length of the body 5 lines; of the wings 14 lines.

Canada. In Mr. D'Urban's collection.

South America.

13. COREMIA INFUNDIBULATA.

Cinereo-cervina; antennæ maris pubescentes; alæ punctis marginalibus nigris; anticæ acutæ, lineis indistinctis denticulatis fuscis fascia media obscuriore aut nigricante nigro marginata intus concava, lineæ submarginali denticulata albida; posticæ fuscescente-cinereæ.

Coremia infundibulata, Guen. *Phal.* ii. 412, 1566.

a, b. Brazil. From M. Becker's collection.

c—f. Venezuela. From Mr. Dyson's collection.

14. COREMIA LATERARIA.

Fœm. *Cinereo-rafescens* ; palpi graciles, læves, disjuncti ; thorax nigricante fasciatus ; alæ anticæ elongatæ, acutæ, basi lineato fasciatæ, lineis interiore et exteriori nigris subdenticulatis antice dilatatis, linea submarginali albida denticulata ; posticæ cinerascens, linea tenui fuscescente.

Female. Cinereous-reddish. Palpi slender, smooth, separate, not rostriform, extending a little beyond the head. Thorax with a blackish band. Wings elongate ; marginal line black, slight, festooned. Fore wings acute ; two bands near the base, each formed by three blackish hardly undulating lines ; interior and exterior lines black, slightly denticulated, dilated in front, and thus indicating the usually dark hue of the middle space, which they enclose ; two little parallel slightly bent black lines between them in front ; submarginal line whitish, denticulated ; exterior border rather oblique. Hind wings more cinereous, with a slight brownish line, which corresponds to the exterior line of the fore wings. Length of the body 5 lines ; of the wings 17 lines.

Rio Janeiro. In Mr. Fry's collection.

Africa.

15. COREMIA MELISSARIA.

Fuscescente-cinerea ; antennæ pectinatæ ; abdomen punctis bilineatum, squamis plagiatis, fasciis duabus pallidis spatium medium nigro-fuscum includentibus, striga subapicali pallida obliqua guttis duabus nigris contiguas ; posticæ cinereæ, lineis apud marginem interiorem distinctioribus.

Coremia melissaria, Guen. *Phal.* ii. 411, 1563.

Central Africa.

16. COREMIA VIVIDATA.

Fœm. *Ochraceo-cervina* ; fasciculus frontalis acutus ; palpi lati, obtusi, ascendentes ; antennæ subpectinatæ ; alæ punctis marginalibus nigris elongatis ; anticæ lineis paucis denticulatis fuscis, spatio medio obscuriore extus angulato plagam pallidam includente, fascia exteriori lineaque submarginali denticulata albis ; posticæ cinereæ.

Male. Ochraceous-fawn colour. Frontal tuft prominent. Palpi broad, obtuse, extending somewhat beyond the head ; third

joint very minute. Antennæ slightly pectinated. Wings with black elongated marginal points. Fore wings with a few transverse denticulated brown lines; middle space darker, interlined and bordered with black, forming a rather prominent angle on the outer side, enclosing a paler patch, which contains a black discal point; an irregular white band along the outer side of the middle space; submarginal line white, denticulated, partly obliterated. Hind wings cinereous. Length of the body 4 lines; of the wings 12 lines.

Cape. In Mr. Saunders' collection.

17. COREMIA PALLIDATA.

Mas. *Albido-cinerea*; palpi breves, lati, rostriformes; antennæ subpectinatæ; alæ linea submarginali albida denticulata indistincta, lunulis marginalibus obscure fuscis; anticæ lineis nonnullis fuscis denticulatis diffusis, lineis tribus fuscis albido marginatis magis determinatis, 3a flexa, puncto discali nigricante, striga apicali albida obliqua; posticæ lineis nonnullis fuscescentibus indistinctis, fascia exteriori albida interlineata.

Male. Whitish cinereous. Palpi short, broad, rostriform. Antennæ slightly pectinated. Wings with an indistinct whitish denticulated submarginal line, and with dark brown marginal lunules. Fore wings with some diffuse denticulated brown lines, and with three more distinct whitish-bordered brown lines; first and second lines near the base, slightly curved; third or exterior line forming a prominent but rounded outward angle; discal point or dot blackish, varying much in size; a broad whitish oblique apical streak. Hind wings with a few indistinct brownish lines, and with a whitish exterior interlined band. Length of the body 4 lines; of the wings 12 lines.

a. South Africa. Presented by Sir A. Smith.

18. COREMIA CIDARIATA.

Mas. *Cinereo-fusca*; palpi breves, lati, obtusi; antennæ pectinatæ; alæ linea marginali tenui obscure fusca; anticæ linea basali nigricante subarcuata intus diffusa, fascia media subundulata obscure fusca postice contracta cinereo et nigricante marginata, linea submarginali indistincta subundulata subdenticulata pallide cinerea fuscescente marginata, striga discali brevi atra; posticæ fuscescente-cinereæ.

Male. Cinereous-brown. Palpi short, broad, obtuse, not rostriform. Antennæ moderately pectinated. Wings with a slight dark brown marginal line. Fore wings with a blackish slightly curved line near the base, diffuse on the inner side; middle band dark brown, contracted hindward, blackish along the borders, which are pale cinereous, its inner border more undulating than its outer border; submarginal line indistinct, pale cinereous, brownish-bordered, slightly denticulated and undulating; discal streak short, deep black. Hind wings brownish cinereous. Length of the body 4 lines; of the wings 12 lines.

a. Namaqua District, South Africa. From M. Becker's collection.

Hindustan.

19. COREMIA MAGNIFICATA.

Mas. *Fusca; palpi breves, lati, pilosi; antennæ late pectinatæ; alæ amplæ, linea submarginali albida lunulari, punctis marginalibus nigris elongatis; anticæ peracutæ, lineis denticulatis nigricantibus, spatio medio obscure fusco maculas tres albas includente, nebulis marginalibus nigricantibus; posticæ albido cinereæ, linea media denticulata fusca, margine exteriori subfuscescente.*

Male. Brown. Palpi short, broad, pilose, not rostriform. Antennæ broadly pectinated, except towards the tips. Wings ample, with a whitish submarginal line, which is formed of lunules and is indistinct in the hind wings; marginal points black, elongated. Fore wings very acute, with some blackish denticulated lines; middle space dark brown, interlined, including three white spots; fore spot very large, containing the black discal point; the other two spots small, near the interior border; submarginal line partly clouded with black. Hind wings whitish cinereous, with a brown denticulated middle line, and with a brownish tinge along the exterior border. Length of the body 6 lines; of the wings 18 lines.

a. Nilghiri Hills, South Hindostan. Presented by M. J. Walhouse, Esq.

Australia.

Several of the the species from this region are closely allied to the European Coremiæ.

20. COREMIA SUBRECTARIA.

Mas. *Pallidissime cinereu; antennæ moniliformes; alæ linea marginali nigra interrupta; anticæ spatio medio nigrivante subobliquo marginibus rectis obscurioribus punctum discale includente, fasciola exterior alba, spatio marginali fusciscente, striga subapicali obliqua pallida; posticæ sublineatæ, linea submarginali pallida dentata.*

Coremia subrectaria, Guen. *Phal.* ii. 411, 1564.

Tasmania.

21. COREMIA ROSEARIA.

Carneo-cinerea; antennæ maris pectinatæ; alæ anticæ fascia media nigra aut nigro marginata punctum discale atrum includente, linea aut fascia interiore maculaque antica marginali nigrivantibus; posticæ lineis indistinctis.

Cidaria rosearia, Doubleday, *Dieffenbach's New Zealand*, i. 285, 119.

Coremia subidaria, Guen. *Phal.* ii. 412, 1565.

a. Tasmania. Presented by E. Doubleday, Esq.

b, c. Tasmania. Presented by M. Allport, Esq.

d. Australia. From Mr. Damel's collection.

e, f. Australia. From Mr. Milne's collection.

g. Moreton Bay. Presented by M. Allport, Esq.

h—l. New Zealand. Presented by Dr. Sinclair.

22. COREMIA CYMARIA.

C. strumosatæ et C. ferrugatæ affinis; alæ anticæ trigonæ, apice subproductæ, lineis fasciisque media fuscis, hac arcuata intus non angulata extus obtuse angulata apud medium pallidiore punctum discale includente e lineis tribus trajectato, fasciola exterior pallidiore aut alba, spatio marginali nebuloso, linea submarginali vaga, striga subapicali obliqua pallida; posticæ cinereæ, lineis parallelis subobsoletis.

Coremia cymaria, Guen. *Phal.* ii. 415, 1569.

Australia. Tasmania.

Var. ? Fœm. *Cinereo-cervina; caput, thorax antice et abdomen obscure cinerea; palpi robusti, pilosi; alæ lunulis marginalibus nigris; anticæ lineis cervinis, fascia media lata nigrivante-*

cinerea nigro interlineata extus subundulata subangulata, costa basi nigricante-cinerea, spatio marginali subfuscescente, linea submarginali albida subrecta; posticæ obscure cinereæ, vix lineatæ.

Female. Cinereous fawn-colour. Head, thorax in front and abdomen dark cinereous. Palpi stout, pilose. Wings with black marginal lunules, fringe cinereous, interlined with blackish. Fore wings with several fawn-coloured lines; middle band broad, blackish cinereous, interlined with black, slightly undulating and forming a rounded angle on its outer side; costa blackish cinereous at the base; marginal space slightly tinged with brown; submarginal line whitish, nearly straight; exterior border slightly oblique. Hind wings dark cinereous, with darker lines, which are only apparent along the interior border. Length of the body $4\frac{1}{2}$ lines; of the wings 13 lines.

a. Sydney. From Mr. Diggles collection.

23. COREMIA EXTRANEATA.

C. Pomæriariæ valde affinis; antennæ vix pubescentes; alæ anticæ magis trigonæ et productæ, spatii basalis margine rectiore, maculis duabus subapicalibus obsoletis; posticæ obscuriores, lineis magis dentatis et æqualibus.

Coremia extraneata, Guen. Phal. ii. 416, 1571.

Australia?

24. COREMIA VACUARIA.

Mas. C. quadrifasciariæ valde affinis; antennæ ciliis fasciculatis, non pectinatæ; alæ fimbria cinerea; anticæ cervinæ, magis productæ, lineis minus distinctis, spatio basali obscuro, fascia media angustiore postice coarctata; posticæ pallide ochraceæ, dimidio basali cinereo.

Coremia vacuaria, Guen. Phal. ii. 418, 1576.

Tasmania.

25. COREMIA STRUMOSATA.

Subflavescente-cinerea; antennæ pubescentes; abdomen cinereum, punctis indistinctis; alæ subdentatæ, linea marginali lunulari; anticæ productæ, spatio medio nigro-fusco extus producto et bidentato, lineis transversis plurimis, linea submarginali pallida dentata; posticæ lineis ex parte obsoletis.

Coremia strumosata, Guen. *Phal.* ii. 419, 1577.

Australia. Tasmania.

Var. ? Mas. *Rufescente-cinerea*; caput et thorax nigricante-cinerea; palpi breves, lati, pilosi; antennæ subpectinatae; alæ lunulis marginalibus nigris; anticæ basi nigricante-cinereæ, fascia lata nigricante-cinerea nigro marginata et interlineata, lineis interiore et exteriori ferrugineis, hac strigulam transversam nigram includente, linea submarginali albida diffusa subundulata, striga apicali testacea interrupta; posticæ lineis subobsoletis.

Male. Reddish cinereous. Head and thorax blackish cinereous. Palpi short, broad, pilose. Antennæ slightly pectinated. Wings with black marginal lunules. Fore wings acute, blackish cinereous at the base, and with a broad blackish cinereous band, which is interlined and bordered with black, and contains a black discal streak; interior and exterior lines ferruginous; the former contiguous to the inner side of the band; the latter traversed by a short black streak, connected with the band hindward, but diverging from it in front; submarginal line whitish, diffuse, slightly undulating; apical streak testaceous, interrupted between the submarginal line and the exterior line. Hind wings with the lines almost obsolete, except on the interior border. Length of the body 5 lines; of the wings 12 lines.

a. Sydney. From Mr. Lambert's collection.

26. COREMIA EXCENTRATA.

Fœm. *C. strumosatæ simillima aut ejusdem var.*; alæ anticæ spatio medio concolori aut pallidiori, spatio marginali obscure fusco lineam submarginalem cineream includente; posticæ pallide cervinæ.

Coremia excentrata, Guen. *Phal.* ii. 489, 1578.

Tasmania.

27. COREMIA QUARTANATA.

Mas. *C. strumosatæ simillima*; alæ subtus lituris vix ullis; anticæ lineis minus distinctis, spatio medio postice coarctato, fasciola exteriori alba bene determinata; posticæ pallidissime cinereæ, vix lineatæ.

Coremia quartanata, Zeller, Guen. *Phal.* ii. 489, 1579.

Australia.

28. COREMIA EUCLIDATA.

Mas et fœm. *Nigricante-cinerea* ; corpus (palpi præsertim) pilosissimum ; antennæ filiformes ; alæ fimbria albo et nigricante notata ; anticæ costæ dimidio luteo, lineis fasciisque albidis cinereo conspersis, spatio medio non lineato extus valde angulato, linea submarginali concisa non dentata costam versus flexa ; posticæ fasciola lineaque flavescence-albis.

Coremia euclidata, Guen. *Phal.* ii. 420, 1581.

Australia.

29. COREMIA GLYPHICATA.

Mas. *C. euclidatæ affinis, minor* ; alæ subtus pallidiores ; anticæ lineis tenuioribus, linea submarginali minus determinata, areola subtus flava, puncto discali subtus nigro ; posticæ nigricantes, fascia lutea e lineola nigra divisa postice acuta.

Coremia glyphicata, Guen. *Phal.* ii. 420, 1582.

Australia.

30. COREMIA HELIACARIA.

Mas et fœm. *C. vicissatæ affinis, paullo minor* ; antennæ maris ramis multo longioribus ; alæ anticæ fuscae, minus variæ, lineis quatuor flavescence-albis, linea exteriori magis angulata ; posticæ obscure fulvæ, margine fuscescente bilineato.

Coremia heliacaria, Guen. *Phal.* ii. 420, 1583.

a, b. Australia. Presented by the Entomological Club.

c. Australia. Presented by Major-Gen. Hardwicke.

d. South Australia. Presented by R. Bakewell, Esq.

e. Tasmania. From Mr. A. J. Smith's collection.

f—i. ——— ? Presented by J. G. Children, Esq.

31. COREMIA VICISSATA.

Mas. *Ferruginea* ; antennæ pectinatæ ; alæ anticæ fasciis duabus cinereis, 1a nigro interlineata, 2a nigro marginata, linea exteriori recta nigricante lineaque submarginali denticulata connexis, litura discali alba punctum nigrum includente ; posticæ cervinæ, lunulis marginalibus albis.

Coremia vicissata, Guen. *Phal.* ii. 421, 1584, pl. 9, f. 5.

Var. Brownish red. Wings with black marginal lunules. Fore wings varied with cinereous; several slightly denticulated and undulating blackish lines; three whitish bands; basal and interior bands parallel, the latter interlined, slightly denticulated; exterior band broader, also interlined; submarginal line whitish, composed of deep curves; discal point black, rather large. Hind wings pale ochraceous. Length of the body 6 lines; of the wings 16 lines.

- a. South Australia. Presented by R. Bakewell, Esq.
- b. Tasmania. Presented by E. Doubleday, Esq.
- c. Australia. From M. Becker's collection.
- d. ———? Presented by J. G. Children, Esq.

32. COREMIA OPERTARIA.

Mas. *Nigro-cinerea*; *palpi longi, nigri*; *antennæ pectinatæ*; *alæ anticæ violaceo subinctæ, non falcatae, intus et extus cervino tinctæ, lineis duabus spatium medium includentibus, 1a recta, 2a flexa*; *posticæ linea una subobsoleta*.

Coremia opertaria, *Guen. Phal. ii. 421, 1585.*

Australia.

33. COREMIA PERMISSATA.

Fœm. *Ferruginea*; *palpi breviusculi, subrostriformes*; *thorax lineis duabus transversis (2a interrupta) nigricantibus*; *abdominis segmenta albido marginata*; *alæ lunulis marginalibus nigris*; *anticæ fasciis duabus albidis interlineatis, 2a extus valde arcuata, lineis nonnullis interioribus lineaque submarginali denticulata strigaeque obliqua apicali albidis, costa ochraceo notata*; *posticæ obscure cinereæ, lineis indistinctis*.

Female. Ferruginous. Palpi rather short, subrostriform. Thorax with a transverse blackish line and with another across each tegula. Abdominal segments with whitish hind borders. Wings with black marginal lunules. Fore wings with two whitish interlined bands, the exterior one much curved outward in the middle; some whitish lines near the base; submarginal line whitish, denticulated, traversing a whitish oblique apical streak; costa with some ochraceous marks. Hind wings dark cinereous, with indistinct whitish lines. Length of the body 4 lines; of the wings 12 lines.

- a. Sydney.
- b. Australia. From Mr. Lambert's collection.

34. COREMIA REGULATA.

Mas. *Rufescente-cinerea*; palpi validi, subrostriformes; antennæ pectinatae, apice simplices; thorax lineis duabus transversis nigricantibus; abdomen e punctis nigricantibus bilineatum; alæ lineis fuscescentibus denticulatis indistinctis, linea submarginali albida, punctis marginalibus nigris elongatis; anticæ fascia media obscure rufa maculas cinereas nigro marginatas includente extus subundulata, lineis duabus exterioribus punctularibus nigris, plaga subapicali nigricante, macula basali obscure rufa; posticæ sublineatæ.

Male. Allied to *C. propugnata*. Reddish cinereous. Palpi stout, subrostriform. Antennæ rather broadly pectinated, except towards the tips. Thorax with two transverse blackish lines. Abdomen with two rows of blackish points. Wings with indistinct brownish denticulated lines; submarginal line whitish, denticulated, indistinct; marginal points black, elongated. Fore wings with a dark red middle band, which contains a band formed of dark cinereous black-bordered spots, and is slightly undulating on the outer side; two exterior lines of black points, ending in two black costal dots; a blackish patch on the fore part of the exterior border; costa with a dark red basal spot. Hind wings with indications of the band of the fore wings; lines blackish and distinct along the interior border. Length of the body $4\frac{1}{2}$ lines; of the wings 11 lines.

a. Sydney. From Mr. Lambert's collection.

35. COREMIA RELICTATA.

Mas. *Subcervino-cinerea*; fasciculus frontalis acutus; palpi subflexi, articulo 3o lanceolato; antennæ sat late pectinatae; abdomen nigro guttatum; alæ lineis indistinctis cinereis subdenticulatis; anticæ fascia lata nigro-cinerea antice dilatata, lineis duabus exterioribus e punctis nigris, costæ lituris plagaque subapicali nigricantibus.

Male. Pale cinereous, with a slight fawn-coloured tinge. Frontal tuft prominent, acute. Palpi pilose, slightly bent, extending rather beyond the head; third joint lanceolate, less than half the length of the second. Antennæ rather broadly pectinated. Abdomen with two connected black dots on each segment. Wings with indistinct slightly denticulated cinereous lines and with a black interrupted marginal line. Fore wings with a broad blackish gray band, which is dilated in front and is partly shaded with black;

two more exterior lines of black points on the veins; costa with blackish marks near the base and towards the tips; a diffuse blackish patch on the fore part of the exterior border; submarginal line pale, denticulated, hardly visible except in the patch. Length of the body $4\frac{1}{2}$ lines; of the wings 13 lines.

a. Sydney. From Mr. Diggles' collection.

36. COREMIA ACUTATA.

Mas. *Cinerea*; palpi robusti, dense pilosi; antennæ late pectinatae, apice simplices; alæ lineis cinereis indistinctis, lunulis marginalibus nigris; anticæ subfalcatae, bifasciatae, fascia 1a basali nigro-cinerea, 2a lata nigricante maculam costalem pallidam includente, punctis exterioribus nigris, linea submarginali pallida denticulata.

Male. Cinereous. Palpi stout, densely pilose, extending somewhat beyond the head; third joint conical, short. Antennæ broadly pectinated, except towards the tips. Abdomen with a large apical tuft. Wings with indistinct cinereous lines and with black marginal lunules. Fore wings subfalcate, with two bands; first band cinereous, near the base, shaded with blackish in front; second much broader, blackish, broadest towards the costa, where there is a pale spot; two more exterior lines of minute black points; submarginal line pale, denticulated, mostly included in a blackish shade. Length of the body $4\frac{1}{2}$ lines; of the wings 12 lines.

a. Sydney. From Mr. Lambert's collection.

37. COREMIA SOLUTATA.

Mas et fœm. *Fuscescente-cinerea*; alæ lineis plurimis fuscis subundulatis subdenticulatis, fascia media obscuriore cinereo marginata strigum nigram includente, spatio marginali fuscescente, linea submarginali e lunulis albidis.

Male and female. Brownish cinereous. Antennæ of the male pubescent. Wings with numerous slightly undulating and denticulated brown lines; submarginal line composed of whitish lunules; marginal line black, festooned. Fore wings acute; middle space darker, bordered with pale cinereous, indented on its inner side, undulating on its outer side, narrower hindward, containing the black discal streak; marginal space shaded with brown. Length of the body 6 lines; of the wings 18 lines.

a—c. Australia. From M. Becker's collection.

d. Tasmania. From Mr. A. J. Smith's collection.

38. COREMIA ORDINARIA.

Mas. *Cinereo-cervina*; antennæ pubescentes; alæ linea denticulata albida submarginali, linea marginali nigra; anticæ linea basali nigra arcuata, fascia media nigricante antice vacua extus angulata, spatio marginali fusciscente.

Male. Cinereous fawn-colour. Antennæ pubescent. Abdomen with a rather large apical tuft. Wings with a whitish denticulated submarginal line, and with a black festooned marginal line; fringe chalybeous-cinereous. Fore wings with a black curved line near the base, and with a blackish middle band, which has a prominent angle on the outer side and is broader in front, where it is vacant and contains a black point; marginal space brownish. Length of the body $5\frac{1}{2}$ lines; of the wings 15 lines.

Tasmania. In Mr. Saunders' collection.

New Zealand.

39. COREMIA ROBUSTARIA.

Mas. *Cinerea*; corpus fusciscens; palpi breves, lati, pilosi; antennæ breves, sat. late pectinatæ; alæ lineis fusciscentibus indistinctis denticulatis, spatio marginali fusciscente, linea submarginali angulosa pallide cinerea; anticæ fascia media obliqua obscure fusca.

Male. Cinereous. Body brownish. Palpi short, broad, pilose, slightly rostriform. Antennæ short, rather broadly pectinated. Wings with indistinct brownish denticulated lines; submarginal line pale cinereous, zigzag; marginal space brownish; marginal line slight, blackish, festooned. Fore wings with a dark brown oblique middle band, which is slightly denticulated along the outer side and contains two or three blackish lines. Length of the body 4 lines; of the wings 11 lines.

a. New Zealand. Presented by Col. Bolton.

40. COREMIA SEMIFISSATA.

Mas. *Roseo-cinerea*; palpi breves, robusti, pilosi; antennæ pectinatæ, apice simplices; thoracis latera antica fusciscentia; alæ punctis marginalibus elongatis nigris; anticæ acutæ, spatio basali extus angulata fasciaque media extus undulata

antice furcata fuscescentibus nigro interlineatis, lineis duabus exterioribus punctularibus nigris, spatio marginali subfuscescente, linea submarginali indistincta pallide cinerea, striga apicali obliqua testaceo-albida; posticæ subtestaceæ, lineis denticulatis cinereis.

Male. Rosy cinereous. Palpi short, stout, pilose. Antennæ moderately pectinated, except towards the tips. Thorax brownish on each side. Abdomen with a rather large apical tuft. Wings with elongated black marginal points. Fore wings acute, with the basal space brownish, interlined with black and forming an acute angle towards the costa; middle band like the basal space, undulating along the exterior border, dilated and forked in front; two exterior lines of black points; marginal space slightly clouded with brown, including the slender indistinct pale cinereous submarginal line; an oblique elongated apical testaceous-whitish spot. Hind wings dull testaceous, with several cinereous denticulated lines. Length of the body 5 lines; of the wings 14 lines.

a, b. Auckland, New Zealand. From Mr. Oxley's collection.

41. COREMIA PLURIMATA.

Fœm. *Cinereo-cervina*; palpi breves, lati, rostriformes; alæ lineis plurimis fuscescentibus subundulatis subdenticulatis, linea submarginali indistincta subrecta pallide cinerea; anticæ fascia media nigro cinerea subundulata, costa subconvexa.

Female. Cinereous fawn-colour. Palpi short, broad, rostriform. Wings with numerous slightly undulating and denticulated brownish lines; submarginal line pale cinereous, indistinct, nearly straight; marginal line black, composed of lunules. Fore wings acute; middle band blackish cinereous, rather narrow, with black nearly parallel and slightly undulating borders, including a minute black discal streak; costa slightly convex; exterior border straight, rather oblique. Length of the body 4 lines; of the wings 12 lines.

a. New Zealand. Presented by Col. Bolton.

42. COREMIA DELTOIDATA.

Mas. *Cinereo-cervina*; palpi breves, subrostriformes; antennæ subpubescentes; abdomen e punctis nigricantibus bilineatum; alæ anticæ fulcatæ, lineis nigris, plagis duabus obscure fuscis albido marginatis, una maxima, fascia exteriori pallide cinereo

interlineata, linea submarginali albida denticulata; posticæ subochraceæ, lineolis apud marginem interiorem nigricantibus.

Male. Cinereous fawn-colour. Palpi short, slightly rostriform. Antennæ minutely pubescent. Wings ample, with a black marginal line. Abdomen with two rows of blackish points. Fore wings falcate, with four oblique nearly straight black lines towards the base; two curved black lines nearer the middle, preceded by the dark brown middle band, which forms two whitish-bordered patches, of which the fore one contains the deep black discal streak and two black lines, and is thrice or eight times larger than the hind one; a pale cinereous exterior band, containing a nearly straight black line; submarginal line whitish, denticulated, irregularly shaded with black. Hind wings dull ochraceous, with blackish transverse lines along the interior border. Length of the body 5—5½ lines; of the wings 16—17 lines.

a, b. Auckland, New Zealand. From Mr. Oxley's collection.

43. COREMIA? INDUCTATA.

Fœm. *Obscure cervina, gracilis; palpi obtusi, subascendentes; antennæ validæ; alæ parvæ; anticæ apicæ obtusæ, linea interiore gracili obliqua subrecta strigaeque exteriore nigris, costa venisque nigro notatis, linea submarginali angulosa pallide cinerea, margine exteriore perobliquo; posticæ cinereæ, margine exteriore subtruncato.*

Female. Dull fawn-colour, slender. Palpi obtuse, slightly ascending, extending somewhat beyond the head. Antennæ rather stout. Wings rather small. Fore wings somewhat obtuse at the tips; interior line black, slender, oblique, nearly straight, hardly denticulated; a black exterior discal streak; costa and veins slightly marked with black; submarginal line pale cinereous, zigzag; marginal line black; exterior border slightly convex, very oblique. Hind wings cinereous, with traces of lines along the interior border; exterior border slightly truncated in front and hindward. Length of the body 4½ lines; of the wings 10 lines.

This species hardly belongs to the genus *Coremia*.

a. New Zealand. Presented by Col. Bolton.

Genus 21. CAMPTOGRAMMA.

Corpus sat gracile. Fasciculus frontalis productus. Proboscis bene determinata. Palpi porrecti, compressi, fimbriati, acuti, rostriformes, caput superantes; articulus 3us minimus. Antennæ simplices, maris nonnunquam pubescentes. Abdomen subdepressum, non notatum, maris apice quadratum. Pedes læves, sat validi; calcaria quatuor sat longa. Alæ latæ, integræ, lineis plurimis gracillimis, puncto discali minimo; anticæ acutæ, sæpe falcatæ.

Acidalia, p., *Treit.*; *Dup.*

Plerocymia, *Malenydris*, *Cataclysmæ* et *Plemyria*, *Hubn. Verz. Schm.* 329, 330, 334.

Larentia, p., *Boisd.*; *Herr.-Sch.*

Camptogramma, *Steph. Ill. Brit. Haust.* iii. 264. *Guen. Phal.* ii. 426.

Phibalapteryx, p., *Steph.*

Body rather slender. Frontal tuft prominent. Palpi porrect, compressed, fringed, acute, rostriform, extending beyond the head; third joint very minute. Antennæ simple, occasionally pubescent in the male. Abdomen slightly depressed, without dorsal points, quadrate at the tip in the male. Legs smooth, rather stout; hind tibiæ with four long spurs. Wings broad, entire; lines numerous, very slender; discal point very small. Fore wings acute and often falcate at the tips.

Europe.

1. CAMPTOGRAMMA BILINEATA.

Lutea; alæ lineis plurimis denticulatis ferrugineis, linea exteriorē alba dentata fusco marginata nonnunquam intus fusco nebulosa; anticæ lineis duabus interioribus albis dentatis fusco marginatis.

———, *Geoff. Ins.* ii. 143. *De Vill. Ent. Linn.* ii. 341, 521. *Geometra bilineata*, *Linn. Syst. Nat.* i. 2, 868, 245; *Faun. Suec.* 1284. *Clerck, Icon.* pl. 6, f. 13. *Gmel. ed. Syst. Nat.* i. 5, 2473, 245.

Phalæna bilineata, *Fabr. Sp. Ins.* ii. 262, 113; *Mant. Ins.* ii. 204, 168; *Ent. Syst.* iii. 2, 186, 206. *Scop. Ent. Carn.* 227, 566. *Rossi, Faun. Etr.* ii. 195. *Mull. Faun. Fridr.* 50, 445; *Zool. Dan.* 127, 1467.

Geometra bilineata, *Wien. Verz.* 110, 17. *Schw. Beitr.* 120, pl. 17, f. 10, 11. *Schr. Faun. Boic.* ii. 2, 32, 1658. *Bork. Eur. Schm.*

- v. 318, 11, 8. *Ill. N. Ausg. dess.* i. 438, 17. *Fuessl. Schw. Ins.* 40, 779. *Donov. Brit. Ins.* viii. pl. 287, f. 3. *Hubn. Geom.* pl. 51, f. 264. *Haw. Lep. Brit.* 343. *Frey. Beitr.* i. pl. 83.
- Geometra dumetata*? *Schr. Faun. Boic.* ii. 2, 32, 1659.
- Acidalia bilineata*, *Treit. Schm.* vi. 2, 56, 40. *Dup. Lep.* v. 381, pl. 198, f. 1.
- Plerocymia bilineata*, *Hubn. Verz. Schm.* 330, 3186.
- Larentia bilineata*, *Boisd. Ind.* 205, 1647. *Herr.-Sch. Eur. Schm.* iii. 143, 79. *Delah. Schm.* 222.
- Larentia bilineata*, var. *bistrigaria*, *Herr.-Sch. Eur. Schm.* iii. 143, pl. 11, f. 62, 63.
- Camptogramma bilineata*, *Steph. Ill. Brit. Haust.* iii. 264, 1. *Guen. Phal.* ii. 426, 1595.
- a—m. England. From Mr. Stephens' collection.
- n—q. England.
- r, s. Europe. From M. Becker's collection.
- t. Italy. From Dr. Leach's collection.

2. CAMPTOGRAMMA SCRIPTURATA.

Cinerea; alæ lineis plurimis denticulatis diffusis fusciscentibus, spatio marginali fusciscente lineam albam denticulatam includente, lunulis marginalibus nigris; anticæ litura discali nigricante.

- Geometra scripturata*, *Wien. Verz.* 316, 31. *Hubn. Geom.* pl. 53, f. 274. *Ill. N. Ausg. dess.* i. 436, 11, 12.
- Acidalia scripturata*, *Treit. Schm.* vi. 2, 47. *Dup. Lep.* v. 415, pl. 198, f. 6.
- Malenydris scripturata*, *Hubn. Verz. Schm.* 329, 3177.
- Larentia scripturata*, *Boisd. Ind.* 206, 1662. *Herr.-Sch. Eur. Schm.* iii. 2, 143, 78. *Delah. Schm.* 221.
- Camptogramma scripturata*, *Guen. Phal.* ii. 428, 1596.
- a. Europe. From M. Becker's collection.

3. CAMPTOGRAMMA RIGUATA.

Cinereo-fusciscentis; alæ lineis indeterminatis lunulisque marginalibus nigris, fasciis tribus fuscis albido marginatis.

- Geometra riguada*, *Hubn. Geom.* pl. 69, f. 358.
- Cataclysmine riguada*, *Hubn. Verz. Schm.* 329, 3181.
- Acidalia riguada*, *Treit. Schm.* vi. 2, 52, 36. *Dup. Lep.* v. 379, pl. 198, f. 3.

Larentia riguata, *Boisd. Ind.* 205, 1646. *Herr.-Sch. Eur. Schm.* iii. 143, 80. *Delah. Schm.* 223.

Camptogramma riguata, *Guen. Phal.* ii. 429, 1600.

a. Europe. From M. Becker's collection.

4. CAMPTOGRAMMA FLUVIATA.

Cinerascente-cervina; *alæ punctis marginalibus nigris*; *anticæ lineis nigricantibus cinereo marginatis, fascia media interrupta obscure fusca*; *posticæ cinereæ, linea margineque obscurioribus.*

Geometra fluviata, *Hubn. Geom.* pl. 54, f. 280, 281.

Acidalia fluviata, *Treit. Schm.* vi. 2, 55, 39.

Plemyria fluviata, *Hubn. Verz. Schm.* 334, 3220.

Larentia fluviata, *Herr.-Sch. Eur. Schm.* iii. 175, 202. *Delah. Schm.* 316.

Camptogramma fluviata, *Guen. Phal.* ii. 429, 1601.

South Europe and North America.

5. CAMPTOGRAMMA GEMMATA.

Ferrugineo-rufa, subtus cinerea; *alæ punctis marginalibus nigris elongatis*; *anticæ acutæ, lineis nonnullis cinereis denticulatis gracillimis, annulo discali albo*; *posticæ ferrugineo-cinereæ, lineis indistinctis.*

Phalæna obstipata? *Fabr. Ent. Syst.* iii. 2, 199, 257.

Geometra gemmata, *Hubn. Geom.* pl. 55, f. 283.

Acidalia gemmata, *Treit. Schm. Sup.* x. 2, 207. *Dup. Lep. Sup.* iv. 389, pl. 81, f. 6.

Plemyria gemmata, *Hubn. Verz. Schm.* 334, 3219.

Geometra angustata, *Haw. Lep. Brit.* 340.

Phibalapteryx angustata, *Steph. Ill. Brit. Haust.* iii. 258, 6.

Larentia gemmata, *Boisd. Ind.* 205, 1644. *Herr.-Sch. Eur. Schm.* iii. 175, 204, pl. 56, f. 345. *Delah. Schm.* 317.

Camptogramma gemmata, *Guen. Phal.* ii. 430, 1602.

a. England. From Mr. Stephens' collection.

b—e. England. Presented by the Rev. John Willis.

f. England. From Mr. Bouchard's collection.

g. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.

h, i. ———? From Mr. Milne's collection.

North America.

6. CAMPTOGRAMMA ? ABRUPTATA.

Mas. *Cinerea, ferrugineo conspersa; palpi breves, lati, obtusi; antennæ serratæ; alæ breviusculæ, latiusculæ, lineis media et exteriore ferrugineis subarcuatis fere parallelis; anticæ apice subrotundatæ, linea interiore ferruginea, maculis duabus exterioribus fuscis.*

Male. Cinereous, speckled with ferruginous. Palpi short, broad, obtuse; third joint very minute. Antennæ distinctly serrated. Wings rather short and broad; middle and exterior lines ferruginous, slightly curved, nearly parallel; marginal line brown, interrupted. Fore wings slightly rounded at the tips, with an interior ferruginous line, which is nearly parallel to the others; a brown spot on the exterior line and another on the more exterior part of the disk; exterior border slightly convex and oblique. Length of the body 4 lines; of the wings 11 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.

Africa.

7. CAMPTOGRAMMA LAPILLATA.

Fœm. *C. gemmatæ valde affinis; alæ anticæ linea exteriore minus undulata magis angulata.*

Camptogramma lapillata, Guen. Phal. ii. 430, 1603.

Abyssinia.

8. CAMPTOGRAMMA ? PRISCATA.

Fœm. *Pallide cinereo-cervina; vertex pallidus; palpi breves; alæ anticæ subfalcatæ, fasciis tribus ferrugineis, 3a flexa, puncto discali nigro, margine exteriore sat obliquo; posticæ ochraceo-albidæ, lituris nullis.*

Female. Pale cinereous fawn-colour. Vertex pale. Palpi much shorter than the breadth of the head. Fore wings acute, subfalcate, with three ferruginous bands; third band exterior, bent; discal point black; exterior border slightly convex, rather oblique. Hind wings ochraceous-whitish, without markings. Length of the body 3 lines; of the wings 8 lines.

a. South Africa. Presented by Sir A. Smith.

Madagascar.

9. CAMPTOGRAMMA DISTRIGARIA.

Rufa ; alæ rotundatæ, strigis undulatis fuscis extus albido tinctis, subtus flavescences, apice rufescente.

Geometra distrigaria, Boisd. Faun. Ent. Mad. Bourb. et Maur. Lep. 115, 3.

Camptogramma distrigaria, Guen. Phal. ii. 426, 1593.

Madagascar.

Asia.

10. CAMPTOGRAMMA BACCATA.

Fœm. C. gemmatæ valde affinis aut ejusdem var. minor ; alæ anticæ spatio medio cinereo valde angustiore, linea submarginali magis arcuata ; posticæ pallidiore, linea subtus magis arcuata.

Camptogramma baccata, Guen. Phal. ii. 430, 1604.

Ceylon.

Australia.

11. CAMPTOGRAMMA STRANGULATA.

Lutea ; alæ fimbria ferruginea ; anticæ costa, fascia obliqua exteriore spatioque marginali ferrugineis, puncto discali minimo nigricante ; posticæ pallidiore.

Camptogramma strangulata, Guen. Phal. ii. 423, 1586.

a, b. Australia. From Mr. Damel's collection.

c—f. Australia. Presented by the Entomological Club.

g. Sydney. From Mr. Lambert's collection.

h, i. Australia. From Mr. Milne's collection.

j. Tasmania. Presented by Dr. Milligan.

k. Australia. From M. Becker's collection.

l. New Zealand. Presented by Major Parry.

m. New Zealand. Presented by the Rev. W. Colenso.

n—r. New Zealand. Presented by Dr. Sinclair.

s, t. Auckland, New Zealand. From Mr. Oxley's collection.

v. New Zealand. Presented by Col. Bolton.

12. CAMPTOGRAMMA INSULSATA.

Mas. *Fumoso-ochracea*; *alæ anticæ acutæ, subfalcata lineis undatis dentatis vix conspicuis, puncto discali, venis punctatis, linea marginali fuscescente, fimbria obscura apice pallida; posticæ pallidiores, lituris nullis.*

Camptogramma insulsata, Guen. *Phal.* ii. 423, 1587.

Australia.

13. CAMPTOGRAMMA EBULEATA.

Mas. *Ochracea*; *palpi rostriformes; alæ subtus puncto discali lineis undulatis fasciæque submarginali nigris; anticæ acutæ, subfalcata, lineis indistinctis, fimbria saturatiore apice alba; posticæ lituris nullis.*

Camptogramma ebuleata, Guen. *Phal.* ii. 424, 1588.

Tasmania.

14. CAMPTOGRAMMA UNCINATA.

Fœm. *Pallide cervina; palpi longi, incumbentes; alæ anticæ valde acutæ et falcata, lineis plurimis undatis saturatioribus, una interiore arcuata magis concisa, spatio basali lato fasciolam pallidam punctum discalæ includentem emittente, fasciola exterior e lineis duabus aut tribus tremulis arcuatis; posticæ cinereæ, margine subviolaceo.*

Camptogramma uncinata, Guen. *Phal.* ii. 424, 1589.

Tasmania.

15. CAMPTOGRAMMA MAGNATA.

Mas.—*Testaceo-cinerea, C. uncinatæ affinis; antennæ subpubescentes; alæ anticæ lineis plurimis fuscis undatis dentatis plus minusve indistinctis, margine exterior subroseo, fimbria vinoso-rosea; posticæ margine lato nigro.* Fœm.—*Alæ anticæ acutiores; posticæ fulvescente-flavæ.*

Camptogramma magnata, Guen. *Phal.* ii. 424, 1590.

Tasmania.

16. CAMPTOGRAMMA BICHROMATA.

Fœm. *Testaceo-fusca; alæ anticæ oblongæ, subfalcatæ, valde acutæ, lineis undatis denticulatis, fascia media saturatiore albo marginata, fasciola exteriori flavescente, linea adhuc exteriori cinerea, linea submarginali albida, punctis marginalibus duplicatis; posticæ pallide ochraceæ, lineis fasciisque apud marginem interiorem determinatis.*

Camptogramma bichromata, Guen. *Phal.* ii. 425, 1591.

Tasmania.

17. CAMPTOGRAMMA ANTHRACINATA.

Cinereo-nigra; alæ lunulis marginalibus atris; anticæ lineis quatuor subdentatis, fasciis duabus strigaeque discali atris; posticæ obscure cinereæ, spatio marginali nigricante.

Camptogramma anthracinata, Guen. *Phal.* ii. 425, 1592, pl. 7, f. 5.

a. Tasmania. Presented by Dr. Milligan.

b, c. Tasmania. From Mr. A. J. Smith's collection.

d, e. Tasmania. Presented by E. Doubleday, Esq.

f. Tasmania. Presented by R. Butler, Esq.

g, h. Australia. From Mr. Milne's collection.

i. Australia. From M. Becker's collection.

18. CAMPTOGRAMMA MORTUATA.

Saturate nigro-cinerea; alæ lineis plurimis cinereis undatis dentatis indistinctis, linea exteriori pallida magis determinata extus biangulata.

Camptogramma mortuata, Guen. *Phal.* ii. 428, 1597.

Australia.

19. CAMPTOGRAMMA SEVERATA.

Nigro-cinerea; frontis fasciculus productus, acutus; palpi nigri; alæ fasciis e lineis obliquis undulatis non dentatis; spatiis basali et medio apud margines obscurioribus; posticæ subtus albo tinctæ.

Camptogramma severata, Guen. *Phal.* ii. 428, 1598.

Tasmania.

20. CAMPTOGRAMMA? CHEIMATOBIATA.

Pallide cinerascens; palpi breves, nigri; abdomen cinereum, incisuris albo nigroque marginatis; alæ lineis plurimis nigris undulatis obliquis parallelis non aut vix dentatis; spatiis basali media et submarginali apud margines obscurioribus, fasciola exteriore pallida interlineata apud venas magis determinata.

Camptogramma cheimatobiata, *Guen. Phal.* ii. 428, 1599.

Tasmania.

21. CAMPTOGRAMMA REPLICATA.

Mas. Pallidissime cervina; palpi capitis latitudine vix breviores; antennæ subsetulosæ; alæ anticæ vix falcatae, lineis plurimis obscurioribus denticulatis apud costam bene determinatis, punctis exterioribus obscurioribus, striga apicali nigra obliqua angulata postice rufescente, puncto discali nigro; posticæ cinereæ, cervino vix suffusæ.

Male. Very pale fawn-colour. Palpi nearly as long as the breadth of the head. Antennæ minutely setulose. Fore wings acute, hardly falcate, with numerous darker indistinct denticulated lines, indistinct on the costa, and which on the exterior part are marked with still darker points; a black irregular oblique apical streak, which forms an angle and is reddish hindward; discal point black, minute; exterior border hardly convex, moderately oblique. Hind wings cinereous, very slightly tinged with fawn-colour. Length of the body $3\frac{1}{2}$ lines; of the wings 10 lines.

a. Australia. From Mr. Milne's collection.

New Zealand.

22. CAMPTOGRAMMA CORRELATA.

Fæm. Lutea; palpi capitis latitudine vix breviores; alæ spatio marginali obscuriore, linea submarginali pallida angulosa; anticæ subfalcatae, lineis tribus dentatis punctisque exterioribus ferrugineis, puncto discali nigricante.

Female. Luteous. Palpi nearly as long as the breadth of the head. Wings darker about the exterior border, with a pale zigzag submarginal line; fringe dark cinereous. Fore wings subfalcate, with three irregular dentate ferruginous lines; third broader than

the others, succeeded by a row of ferruginous points; discal point blackish, small. Hind wings not paler than the fore wings. Length of the body 4 lines; of the wings 12 lines.

a. New Zealand. Presented by Dr. Sinclair.

Country unknown.

23. CAMPTOGRAMMA ADORNATA.

Parva; alæ anticæ fusco cinereo et nigricante variæ, fasciis duabus sordide albis, 2a latiore magis concisa angulata fulvo pallido ex parte tincta, linea submarginali indistincta; posticæ fulvo-flavæ, atomis apud angulum anteriorem.

Camptogramma adornata, Guen. Phal. ii. 426, 1593.

24. CAMPTOGRAMMA SUBDUCTATA.

Fœm. Obscure cinereo-cervina; palpi obscure fusci; alæ lineis plurimis denticulatis indistinctis pallide cinereis, linea marginali fusca; anticæ puncto discali parvo nigricante; posticæ dentatæ.

Female. Dull cinereous fawn-colour. Palpi dark brown. Wings with numerous indistinct denticulated pale cinereous lines; marginal line brown, festooned. Fore wings acute; discal point small, blackish. Hind wings dentate, hardly differing from the fore wings in colour and markings. Length of the body 4 lines; of the wings 12 lines.

a. ———?

25. CAMPTOGRAMMA EXAGITATA.

Mas. Subferrugineo-cinerea; palpi breves, lati, obtusi; antennæ pubescentes; alæ lineis plurimis obscurioribus denticulatis indistinctis, lineis interiore et exteriori fuscis parallelis denticulatis vix undulatis, linea submarginali pallida angulosa valde indistincta; posticæ margine exteriori subflexo.

Male. Cinereous, with a slight ferruginous tinge. Palpi short, broad, obtuse; third joint extremely small. Antennæ pubescent. Wings with many indistinct darker denticulated lines; interior and exterior lines brown, conspicuous, parallel, denticulated, hardly undulating; submarginal line pale, zigzag, very

indistinct; marginal points blackish, very minute. Fore wings acute; exterior border slightly convex, very oblique. Hind wings with the exterior border slightly bent in the middle. Length of the body $3\frac{1}{2}$ lines; of the wings 10 lines.

a. ———?

26. CAMPTOGRAMMA? INFECTATA.

Mas. *Subferrugineo-cinerea*; palpi breves, lati, rostriformes; antennæ subpubescentes; alæ ferrugineo conspersæ, lineis tribus fuscis, 2a valde interrupta, punctis marginalibus nigricantibus; anticæ acutæ.

Male. Cinereous, with a slight ferruginous tinge. Palpi short, broad, rostriform; third joint extremely minute. Antennæ minutely pubescent. Wings transversely ferruginous-speckled; interior and exterior lines brown, the second slightly undulating but nearly parallel to the first; middle line brown, very incomplete, and especially so in the hind wings; marginal points blackish, elongated; under side without lines. Fore wings acute; exterior border slightly convex and oblique. Length of the body 3 lines; of the wings 9 lines.

a. ———? From Mr. Milne's collection.

Genus 22. PHIBALAPTERYX.

Corpus sat robustum. Proboscis longa. Palpi squamosi, rostriformes, acuti, basi pallidiores, apice contigui; articulus 3us minimus. Antennæ breves, filiformes, maris vix pubescentes. Abdomen maris carinatum, suberistatum, apice quadratum. Pedes robusti; tibiæ anticæ breves; posticæ calcaribus quatuor validis approximatis. Alæ anticæ elongatæ, acutæ, lineis plurimis; postice dentatæ.

Acidalia, p., *Treit.*; *Dup.*

Horisme, *Cænocalpe*, *Orthonama* et *Mesotype*, *Hubn. Verz. Schm.* 330, 331, 339.

Larentia, p., *Boisd.*; *Herr.-Sch.*

Phibalapteryx, *Steph. Ill. Brit. Haust.* iii. 256. *Guen. Phal.* ii. 431.

Body moderately stout. Proboscis long. Palpi squamous, paler at the base, contiguous at the tips, acutely rostriform; third joint very minute. Antennæ short, filiform, hardly pubescent in the male. Abdomen with a black line at the base; that of the male

keeled, slightly crested, quadrate at the tip. Legs rather thick; fore tibiæ half the length of the femora; hind tibiæ with robust approximate spurs. Fore wings elongate, acute, with numerous lines. Hind wings irregularly dentate, more or less marked like the fore wings.

1. PHIBALAPTERYX TERSATA.

Ferrugineo-cervina; alæ lineis plurimis subundulatis aut denticulatis fasciæque media interlineata nigro-fuscis, lunulis marginalibus nigris; anticæ acutæ, puncto discali nigro; posticæ margine exteriori dentato.

Geometra tersata, *Wien. Verz.* 109, 14. *Ill. N. Ausg. dess.* i. 437, 14. *Hubn. Geom.* pl. 52, f. 268. *Haw. Lep. Brit.* 339.

Acidalia tersata, *Treit. Schm.* vi. 2, 62, 44. *Dup. Lep.* v. 387, pl. 197, f. 1, 2.

Horisme tersata, *Hubn. Verz. Schm.* 331, 3191.

Phibalapteryx tersata, *Steph. Ill. Brit. Haust.* iii. 256, 1. *Guen. Phal.* ii. 432, 1606.

Larentia tersata, *Boisd. Ind.* 206, 1652. *Herr.-Sch. Eur. Schm.* iii. 174, 198. *Delah. Schm.* 314.

a—f. England. From Mr. Stephens' collection.

g, h. England. From Mr. Stevens' collection.

i—k. England.

2. PHIBALAPTERYX TETRICATA.

P. tersatæ affinis, cinerascens, non flavescens; alæ lineis plurioribus confusis, interiore duplicata, exteriori vix determinata nigro non umbrata, linea adhuc exteriori duplicata valde flexa.

Phibalapteryx tetricata, *Guen. Phal.* ii. 433, 1607.

Altai.

3. PHIBALAPTERYX TESTACEATA.

Cervina; alæ puncto discali maculisque submarginalibus atris; anticæ lineis nonnullis suturatoribus et nigricantibus, linea exteriori strigæque apicali obliqua atris; posticæ minus lineatæ, basi cinereæ.

Geometra testaceata, *Hubn. Geom.* f. 338.

Cænocalpe testaceata, *Hubn. Verz. Schm.* 330, 3190.

Phibalapteryx testaceata, *Guen. Phal.* ii. 433, 1607.

Switzerland.

4. PHIBALAPTERYX CORTICATA.

P. tersatæ valde affinis, paullo minor; alæ anticæ minus flavescens, lineis duabus antice remotioribus, strigis marginalibus minus interruptis; posticæ costa obscuriore.

Acidalia corticata, *Treit. Schm. Sup. x. 2*, 208.

Larentia alutacearia, *Boisd. Ind. 205*, 1649. *Herr.-Sch. Eur. Schm. iii. 144*, 85, pl. 7, f. 42.

Phibalapteryx corticata, *Guen. Phal. ii. 434*, 1609.

a. Europe. From M. Becker's collection.

5. PHIBALAPTERYX ÆMULATA.

Cervina; alæ nigro conspersæ, puncto discali lineis nonnullis vix denticulatis punctisque marginalibus elongatis nigris; anticæ punctis venarum lineaque submarginali albis; posticæ antice pallidiores.

Geometra æmulata, *Hubn. Geom. f. 448*.

Horisme æmulata, *Hubn. Verz. Schm. 331*, 3192.

Larentia æmulata, *Herr.-Sch. Eur. Schm. iii. 174*, 196.

Phibalapteryx æmulata, *Guen. Phal. ii. 434*, 1610.

Germany.

6. PHIBALAPTERYX SCOTOSIATA.

Nigro-cinerea; antennæ maris incrassatæ; abdomen punctis nullis nigris; alæ lineis indistinctis non diversis; anticæ productæ, acutæ, subfalcatæ, puncto discali tenui; posticæ valde dentatæ, lineis duabus submarginalibus nigris approximatis.

Phibalapteryx scotosiata, *Guen. Phal. ii. 434*, 1611.

Altai.

7. PHIBALAPTERYX EXOLETARIA.

Cervino-cinerea; alæ puncto discali punctisque marginalibus nigris, lineâ submarginali pallida denticulata; anticæ lineis nonnullis subdenticulatis nigricantibus, guttis tribus anticis strigaeque postica angulata nigris, macula apud angulum interiorem albida.

Larentia exoletaria, *Herr.-Sch. Deutsch. Ins. 163*, 7; *Eur. Schm. iii. 174*, 197, pl. 65, f. 399.

Phibalapteryx exoletaria, *Guen. Phal. ii. 435*, 1612.

Sicily.

8. PHIBALAPTERYX LUCILLATA.

Mas. *Pallide cinerea, sericea; alæ lineis plurimis obscurioribus indistinctis undulatis parallelis; anticæ subobtusæ, linea exteriore duplicata subdentata, spatio marginali subobscuriore, linea submarginali apud angulum interiorem alba dilatata, venis exterioribus nigro alboque notatis.*

Phibalapteryx lucillata, *Guen. Phal.* ii. 435, 1613.

Altai.

9. PHIBALAPTERYX LAPIDATA.

Cervino-testacea; alæ puncto discali lineaque marginali nigris; anticæ lineis quinque nigris, linea 3a flexa; posticæ quadri-lineatæ, fimbria nigro punctata.

Geometra lapidata, *Hubn. Geom.* f. 324.

Geometra subrufata, *Haw. Lep. Brit.* 317.

Cænocalpe lapidata, *Hubn. Verz. Schm.* 330, 3189.

Macaria subrufata, *Steph. Ill. Brit. Haust.* iii. 320, 3.

Larentia lapidata, *Boisd. Ind.* 206, 1657. *Herr.-Sch. Eur. Schm.* iii. 144, 86.

Phibalapteryx lapidata, *Guen. Phal.* ii. 435, 1614.

Scotland. France. Lapland.

10. PHIBALAPTERYX LIGNATA.

Cervino-cinerea; alæ punctis marginalibus nigris; anticæ lineis nonnullis cervinis, fascia media, marginata antice pallidiore lineisque tribus exterioribus fuscis, striga apicali obliqua punctoque discali nigris; posticæ lineis nonnullis subobsoletis.

Geometra vittata? *Bork. Eur. Schm.* v. 27.

Geometra lineataria, *Donov. Brit. Ins.* xiv. 47, pl. 485, f. 1, 2.

Geometra lignata, *Hubn. Geom.* pl. 52, f. 270. *Haw. Lep. Brit.* 340.

Acidalia lignata, *Treit. Schm.* vi. 2, 61, 45. *Dup. Lep.* v. 394, pl. 197, f. 6.

Orthonama lignata, *Hubn. Verz. Schm.* 331, 3194.

Phibalapteryx lignata, *Steph. Ill. Brit. Haust.* iii. 257, 4. *Guen. Phal.* ii. 436, 1615.

Larentia lignata, *Boisd. Ind.* 206, 1656. *Herr.-Sch. Eur. Schm.* iii. 175, 203.

a—i. England. From Mr. Stephens' collection.

j, k. England.

l. Europe. From M. Becker's collection.

11. PHIBALAPTERYX POLYGRAMMATA.

Albida; alæ lineis plurimis fuscescentibus indistinctis vix undulatis; anticæ fascia obliqua diffusa indistincta fuscescente, spatio marginali fuscescente lineam albam denticulatam includente.

Geometra polygrammata, *Bork. Eur. Schm. Sup.* v. 560, 313.
Hubn. Geom. pl. 54, f. 217.

Acidalia polygrammata, *Treit. Schm.* vi. 2, 60, 42. *Dup. Lep.* v. 392, pl. 197, f. 5.

Mesotype polygrammata, *Hubn. Verz. Schm.* 339, 3265.

Phibalapteryx polygrammata, *Steph. Ill. Brit. Haust.* iii. 256, 3.
Guen. Phal. ii. 436, 1616.

Larentia polygrammata, *Boisd. Ind.* 206, 1655. *Herr.-Sch. Eur. Schm.* iii. 144, 84. *Delah. Schm.* 227.

a—c. England. Presented by W. W. Walcott, Esq.

d—j. England. From Mr. Stephens' collection.

k. Europe. From M. Becker's collection.

12. PHIBALAPTERYX AQUATA.

Albida; alæ fuscescente subconspersæ, lineis plurimis fuscescentibus vix undulatis; anticæ punctis venarum paucis nigris, fascia obliqua diffusa fusca, spatio marginali fuscescente lineam submarginalem albam denticulatam includente.

Geometra aquata, *Hubn. Geom.* pl. 79, f. 410.

Acidalia aquata, *Treit. Schm.* vi. 2, 64, 45. *Dup. Lep.* v. 390, pl. 197, f. 4.

Orthonama aquata, *Hubn. Verz. Schm.* 331, 3195.

Larentia aquata, *Boisd. Ind.* 206, 1654. *Herr.-Sch. Eur. Schm.* iii. 175, 201.

Phibalapteryx aquata, *Guen. Phal.* ii. 437, 1617.

a—c. Europe. From M. Becker's collection.

13. PHIBALAPTERYX VITALBATA.

Lignicolor ; *alæ lineis plurimis fuscis subundulatis, puncto discali punctisque elongatis marginalibus nigris ; anticæ vitta lata nigricante.*

Geometra vitalbata, *Wien. Verz.* 109, 15. *Hubn. Geom.* pl. 52, f. 269. *Haw. Lep. Brit.* 340. *Ill. N. Ausg. dess.* i. 438, 15.

Acidalia vitalbata, *Treit. Schm.* vi. 2, 66, 47. *Dup. Lep.* v. 385, pl. 197, f. 3.

Orthoama vitalbata, *Hubn. Verz. Schm.* 331, 3193.

Phibalapteryx vitalbata, *Steph. Ill. Brit. Houst.* iii. 256, 2. *Guen. Phal.* ii. 437, 1618.

Larentia vitalbata, *Herr.-Sch. Eur. Schm.* iii. 175, 200. *Delah. Schm.* 315.

a—f. England. From Mr. Stephens' collection.

g—k. England.

l, m. Europe. From M. Becker's collection.

n. ——— ?

14. PHIBALAPTERYX CALLIGRAPHARIA.

Cinereo-alba ; *alæ cyanescente subinctæ, lineolis plurimis indistinctis cinereis, linea submarginali duplicata, venis nigro punctatis.*

Larentia ligaminata, *Eversm. Faun. Volg.-Ural.* 415.

Larentia tæniolata, *Eversm. Bull. Soc. Imp. Nat. Mosc.* 1843.

Larentia calligrapharia, *Herr.-Sch. Eur. Schm.* iii. 174, 195, pl. 7, f. 38, 39.

Phibalapteryx calligrapharia, *Guen. Phal.* ii. 438, 1619.

Carniolia. South Russia.

North America.

15. PHIBALAPTERYX INTESTINATA.

Fœm. Testaceo-cinerea ; *alæ lineis plurimis obscurioribus parallelis, linea exterior e dentibus rotundatis duplicatis, linea submarginali duplicata dentata bene determinata albo submarginata, puncto discali nigro.*

Phibalapteryx intestinata, *Guen. Phal.* ii. 432, 1605.

United States. Canada.

- a, b. Florida. Presented by E. Doubleday, Esq.
 c. Georgia. From Mr. Milne's collection.
 d. ——— ?

South America.

- A. Alæ anticæ margine exteriori biangulato. - facetata, *Guen.*
 B. Alæ anticæ margine exteriori non angulato.
 A. Alæ anticæ basi cervinæ. - - - - - apricata, *Guen.*
 B. Alæ anticæ basi non cervinæ.
 A. Alæ lineis plurimis nigricantibus. - - - - - mediata, *Walk.*
 B. Alæ lineis duabus nigricantibus. - - - - - intrusata, *Walk.*

16. PHIBALAPTERYX APRICATA.

Mas. *Cinerascens* ; antennæ valde pubescentes ; alæ lineis plurimis parallelis ; anticæ fasciola interiore ferruginea, basi cervinæ, fascia lata cinerea punctum discalæ includente, fasciola exteriori e lineis quatuor ferrugineis, linea adhuc exteriori duplicata flexuosa, spatio marginali cinereo punctis submarginalibus albis ; anticæ linea submarginali alba denticulata tenuissima.

Phibalapteryx apricata, *Guen. Phal.* ii. 438, 1621.

Brazil.

17. PHIBALAPTERYX FACETATA.

Mas et fœm. *Pallide cinerea* ; alæ anticæ oblongæ, lineis plurimis, fascia media e lineis spatioque marginali carneo-fuscis, linea submarginali alba, striga apicali saturate fusca, costa apice valde arcuata, margine exteriori biangulato, spatio intermedio subconcano.

Phibalapteryx facetata, *Guen. Phal.* ii. 439, 1622.

Brazil.

18. PHIBALAPTERYX MEDIATA.

Fœm. *Cinerea* ; palpi breves, lati, obtusi ; abdomen basi pallidum ; alæ elongatæ, lineis plurimis nigricantibus denticulatis diffusis indistinctis, spatio marginali obscure cinereo lineam submarginalem subundulatam pallide cineream includente ; anticæ spatio medio nigricante marginibus ferrugineis, margine exteriori perobliquo ; posticæ basi pallide cinereæ.

Female. Cinereous. Palpi short, broad, obtuse, extending a little beyond the head. Abdomen pale cinereous at the base. Wings elongate, with many indistinct diffuse blackish denticulated lines; marginal space dark cinereous, including the pale cinereous slightly undulating submarginal line. Fore wings acute; middle space blackish cinereous, bordered on each side by a ferruginous tinge; exterior border very oblique. Hind wings with an indication of the middle band of the fore wings, pale cinereous at the base. Length of the body $3\frac{1}{2}$ lines; of the wings 12 lines.

Brazil. In Mr. Saunders' collection.

19. PHIBALAPTERYX INTRUSATA.

Mas. *Cinereo-cervina*; *palpi breves, lati, pilosi, disjuncti, articulo 3o pallido minimo*; *alæ lineis duabus obliquis undulatis subdenticulatis punctisque marginalibus nigricantibus, lineis nonnullis fuscescentibus undulatis indistinctis, linea submarginali subobsoleta*; *anticæ acutæ, margine exteriori perobliquo.*

Male. Cinereous fawn-colour, paler beneath. Palpi broad, short, pilose, apart from each other; third joint pale cinereous, very minute. Wings with blackish marginal points; interior and exterior lines blackish, oblique, undulating, slightly denticulated; several other brownish undulating indistinct lines; submarginal line almost obsolete; under side with a distinct black discal dot. Fore wings acute; exterior border slightly convex, very oblique. Length of the body 4 lines; of the wings 10 lines.

Rio Janeiro. In Mr. Fry's collection.

Asia.

20. PHIBALAPTERYX HYDROCAMPATA.

Fœm. *Pallide stramineo-cinerea*; *alæ oblongæ, integræ, strigis marginalibus cinereis*; *anticæ valde acutæ et falcatæ, puncto discali cinereo pupilla alba, costa recta, margine exteriori postice retracto*; *posticæ breves, subangulatæ, margine exteriori postico quadrato.*

Phibalapteryx hydrocampata, *Guen. Phal. ii. 438, 1620.*

North Hindostan.

21. PHIBALAPTERYX ACUTATA.

Fœm. Cinerea; palpi breves, pilosi, angulati, apice acuti; alæ elongatæ, ferrugineo dense conspersæ, lineis duabus ferrugineis obliquis diffusis parallelis subrectis, 1a interrupta; anticæ falcatæ, peracutæ, lineis costam versus retractis.

Female. Cinereous. Body moderately stout. Palpi short, pilose, not broad; third joint acutely conical, forming an angle with the second. Antennæ slender. Wings elongate, thickly ferruginous-speckled; interior and exterior lines ferruginous, oblique, diffuse, parallel to each other, nearly straight; interior line interrupted; under side like the upper side. Fore wings falcate, very acute; lines retracted towards the costa; exterior border very oblique, convex hindward. Length of the body $4\frac{1}{2}$ lines; of the wings 14 lines.

a. Ceylon. From Mr. Stevens' collection.

Australia.

A. Alæ anticæ spatio medio obscuriore. - glandulata, *Guen.*

B. Alæ anticæ spatio medio non obscuriore.

A. Palpi longi. - - - - - rubroferrata, *Walk.*

B. Palpi breves.

A. Alæ posticæ spatio marginali non fusco. strixata, *Walk.*

B. Alæ posticæ spatio marginali fusco. - perfectata, *Walk.*

22. PHIBALAPTERYX GLANDULATA.

Mas. Pallide cinereo-fusca; alæ anticæ subfalcatæ, spatio medio obscuriore punctum discalæ nebulamque cineream includente, linea interiore recta costam non attingente, linea exteriori angulata, margine interiore valde convexo; posticæ plumbeo-cinereæ, macula magnâ basali ovali flavo-alba.

Phibalapteryx glandulata, Guen. Phal. ii. 438, 1623, pl. 10, f. 6.

Tasmania.

23. PHIBALAPTERYX STRIXATA.

Fœm. Subrufescente-cinerea; palpi nigricante varii, caput non superantes; alæ angustæ, valde elongatæ, lineis tribus deviis nigris valde obliquis, spatio inter lineas 1am et 2am pallide cinereo, linea 3a extus cinereo pallido marginata; anticæ linea submarginali dentata pallide cinerea intus nigro marginata, striga subapicali nigra obliqua.

Female. Cinereous, with an indistinct reddish tinge. Palpi partly blackish, not extending beyond the head. Wings narrow, very elongate, with three irregular very oblique black lines, and with a black discal point; space between the first and second lines pale cinereous; third line bordered with pale cinereous on the outer side; marginal line black, festooned; under side with the markings nearly obsolete. Fore wings acute, with a submarginal dentate pale cinereous line, which is partly bordered with black on the inner side and is intersected by a black oblique subapical streak; third line somewhat thickened, hiding the discal point; exterior border extremely oblique. Length of the body 5 lines; of the wings 16 lines.

a. Sydney. From Mr. Lambert's collection.

24. PHIBALAPTERYX RUBROFERRATA.

Mas et fœm. *Rufescente-ferruginea; palpi longi, graciles, rostriformes; thorax et abdomen cinereo fasciata; alæ angustæ, elongatæ, lineis plurimis cinereis vix undulatis valde obliquis, venis nigro punctatis, linea marginali nigra; anticæ costa subconvexa; posticæ margine exteriori subdentato.*

Male and female. Reddish ferruginous. Palpi slender, rostriform, extending far beyond the head and a little longer than its breadth, shorter in the male. Thorax with a pale cinereous band. Abdomen with cinereous bands. Wings narrow, elongated, with many very oblique hardly undulating cinereous lines; interior and exterior lines slightly undulating, very oblique; veins with black points; marginal line black; under side cinereous, with indistinct markings. Fore wings slightly acute; costa and exterior border slightly convex, the latter very oblique. Hind wings with the exterior border slightly dentate. Length of the body 5 lines; of the wings 16 lines.

a-e. Tasmania. Presented by M. Allport, Esq.

25. PHIBALAPTERYX PERFECTATA.

Fœm. *Schistacea; palpi nigri, breves, lati, obtusi; antennæ robustæ; alæ elongatæ, lunulis marginalibus nigris; anticæ acutæ, lineis fuscis obliquis subundulatis, fasciis tribus e lineis nigris fere contiguis, striga discali atra obliqua, linea submarginali pallide cinerea subundulata; posticæ lineis plurimis subrectis spatique marginali fuscis.*

Female. Slaty cinereous, paler beneath. Palpi black, short, broad, obtuse; third joint extremely minute. Antennæ stout. Wings elongate, with black marginal lunules. Fore wings acute, with several oblique slightly undulating brown lines, and with three oblique bands, each of which is composed of three or four slightly undulating and nearly confluent black lines; a large oblique deep black discal streak, which is slightly interrupted; submarginal line pale cinereous, slightly undulating; exterior border slightly convex, very oblique. Hind wings with many nearly straight brown lines; marginal space brown, intersected by the submarginal line. Length of the body $4\frac{1}{2}$ lines; of the wings 12 lines.

a. Sydney. From Mr. Diggles' collection.

Genus 23. SCOTOSIA.

Corpus sat gracile. Proboscis conspicua. Palpi porrecti, rostriformes, squamosi, acuti, contigui; articulus Ius pallidior; 3us parvus, conicus. Antennæ filiformes, glabræ. Abdomen compressum, maris fasciculo plus minusve radiato. Pedes læves, longissimi; calcaria longa. Alæ amplæ, concolores, plus minusve dentatæ, lituris non diversis; anticæ trigonæ, lineis plurimis undulatis aut dentatis.

Acidalia, p., *Treit.*; *Dup.*

Plerocymia, *Philereme* et *Calocalpe*, p., *Hubn. Verz. Schm.* 330, 332.

Larentia, p., *Boisd.*; *Herr.-Sch.*

Scotosia, *Steph. Ill. Brit. Haust.* iii. 259; *Guen. Phal.* ii. 440.

Triphosa et *Eucosmia*, *Steph.*

Body rather slender in the typical species. Proboscis distinct. Palpi porrect, prominent, smoothly squamous, compressed, contiguous, rostriform, acute; first joint paler; third minute, conical. Antennæ filiform and smooth in both sexes. Abdomen compressed; apical tuft of the male more or less expanded. Legs smooth, very long; hind tibiæ with four long spurs. Wings ample, more or less dentate, alike in colour and with like markings. Fore wings triangular, with numerous undulating or dentate lines.

Group 1.

1. SCOTOSIA DUBITATA.

Cinereo-ferruginea; alæ dentatæ, linea submarginali denticulata albida, linea marginali lunulata nigra; anticæ subnebulosæ,

lineis plurimis dentatis nigricantibus, interiore et exteriori sat distinctis, venis nigro punctatis; posticæ lineis subobsoletis, venis vix punctatis.

———, *Kleem, Beitr.* 234, pl. 28, f. 2. *De Vill. Ent. Linn.* ii. 333, 502.

Phalæna-Geometra dubitata, Linn. Syst. Nat. i. 2, 866, 235; *Faun. Suec.* 1259. *Clerck, Icon.* pl. 6, f. 2. *Gmel. ed. Syst. Nat.* i. 5, 2459, 235.

Phalæna dubitata, Fabr. Ent. Syst. iii. 2, 168, 141. *Brahm, Ins. Kal.* i. 172, 82. *Gotze, Ent. Beitr.* iii. 3, 317, 233.

Geometra dubitata, Wien. Verz. 109, 3. *Bork. Eur. Schm.* v. 235, 128. *Donov. Brit. Ins.* vii. pl. 246. *Schr. Faun. Boic.* ii. 2, 29, 1652. *Ill. N. Ausg. dess.* i. 433, 3. *Hubn. Geom. f.* 265. *Haw. Lep. Brit.* 318.

Acidalia dubitata, Treit. Schm. vi. 2, 69, 49. *Dup. Lep.* v. 362, pl. 195, f. 5.

Larentia dubitata, Boisd. Ind. 205, 1637. *Herr.-Sch. Eur. Schm.* iii. 142, 75. *Delah. Schm.* 218.

Pterocymia dubitata, Hubn. Verz. Schm. 330, 3184.

Triphosa dubitata, Steph. Ill. Brit. Haust. iii. 262, 2.

Triphosa cinereata, Steph. Ill. Brit. Haust. iii. 263, 3.

Scotosia dubitata, Guen. Phal. ii. 445, 1631.

a—l. England. From Mr. Stephens' collection.

m—r. England.

s—x. Europe. From M. Becker's collection.

Var. Rufo-cinerea; thorax nigro fasciatus; alæ anticæ lineis plurimis rufescentibus subundulatis, lineis tribus distinctis dentatis nigris, linea submarginali e lunulis albidis, litura discali nigra obliqua minima.

Male. Cinereous. Body above and fore wings much tinged with red. Thorax with a black band. Wings with a black marginal festoon. Fore wings with many slight undulating reddish lines, with three distinct dentated black lines, and with a whitish submarginal line, which is composed of lunules; discal mark black, oblique, very small. Hind wings pale cinereous, with several indistinct darker lines, and with a reddish tinge about the interior border and the exterior border. Length of the body 6 lines; of the wings 18 lines.

y—aa. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.

bb, cc. Canada. Presented by W. S. M. D'Urban, Esq.

dd. Orilla, West Canada. From Mr. Bush's collection.

2. SCOTOSIA SABAUDIATA.

Cinerea; alæ anticæ lineis plurimis denticulatis nigricantibus apud costam dilatatis; posticæ lineis obscurioribus indistinctis undulatis, margine exteriori dentato.

Larentia sabaudiata, Dup. Lep. v. 370, pl. 196, f. 1. *Boisd. Ind.* 204, 1636. *Herr.-Sch. Eur. Schm.* iii. 144, 82. *Delah. Schm.* 225.

Geometra sabaudiata, Frey. Beitr. pl. 390.

Scotosia sabaudiata, Guen. Phal. ii. 446, 1632.

a. Europe. From M. Becker's collection.

Group 2.

3. SCOTOSIA VETULATA.

Cinerea; palpi nigricantes; alæ atomis lineisque plurimis denticulatis diffusis fuscis, linea exteriori distinctiore angulata pallido marginata, linea marginali nigricante interrupta; posticæ dentatæ.

Geometra vetulata, Wien. Verz. 109, 1. *Ill. N. Ausg. dess.* i. 433, 1. *Hubn. Geom.* pl. 51, f. 263. *Haw. Lep. Brit.* 320.

Philereme vetulata, Hubn. Verz. Schm. 330, 3188.

Acidalia vetulata, Treit. Schm. ii. 54, 38. Dup. Lep. v. 375, pl. 196, f. 1.

Scotosia vetulata, Steph. Ill. Brit. Haust. iii. 260, 2. Guen. Phal. ii. 446, 1633.

Larentia vetulata, Boisd. Ind. 205, 1642. *Herr.-Sch. Eur. Schm.* iii. 143, 81. *Delah. Schm.* 224.

a—h. England. From Mr. Stephens' collection.

i—m. England. From Mr. Stevens' collection.

n, o. England.

p, q. Europe. From M. Becker's collection.

4. SCOTOSIA AFFECTATA.

Cinerea ; *alæ strigis fuscis undulatis dilutis, fimbria fusco notata* ;
anticæ puncto discali nigro ; *posticæ margine exteriori den-*
tato.

Acidalia affectata, *Eversm. Bull. Soc. Imp. Nat. Mosc.* 1842, xv.
 557, 24 ; *Faun. Volg.-Ural.* 405.

Scotosia affectata, *Guen. Phal.* ii. 447, 1634.

South Russia.

5. SCOTOSIA RHAMNATA.

Ferrugineo-fusca ; *alæ lineis plurimis nigricantibus et cervinis*
vix undulatis, linea marginali nigra ; *anticæ acutæ, puncto*
discali nigro ; *posticæ margine exteriori dentato.*

———, *Kleem, Beitr.* 225, pl. 26, f. 1—7. *De Vill. Ent.*
Linn. iv. 502.

Geometra rhamnata, *Wien. Verz.* 109, 2. *Schr. Faun. Boic.* ii. 2,
 29, 1651. *Bork. Eur. Schm.* v. 288, 129. *Hubn. Geom. pl.*
 52, f. 271. *Haw. Lep. Brit.* 339. *Ill. N. Ausg. dess.* i. 433,
 2.

Phalæna rhamnata, *Fabr. Ent. Syst.* iii. 2, 168, 140.

Acidalia rhamnata, *Treit. Schm.* ii. 2, 67, 48. *Dup. Lep.* v. 372,
 pl. 196, f. 3.

Phalæna transversata, *Naturf.* xi. 76, 52.

Geometra clypeata, *Bork. Eur. Schm.* v. 288, 122. *Schwarz. Kal.*
 140, 129.

Philereme rhamnata, *Hubn. Verz. Schm.* 332, 3187.

Scotosia rhamnata, *Steph. Ill. Brit. Haust.* iii. 260, 1. *Guen. Phal.*
 ii. 447, 1635.

Larentia rhamnata, *Boisd. Ind.* 205, 1641. *Herr.-Sch. Eur. Schm.*
 iii. 145, 87. *Delah. Schm.* 228.

a—h. England. From Mr. Stephens' collection.

i, j. England.

k. Europe. From M. Becker's collection.

Group 3.

6. SCOTOSIA CERTATA.

Fuscescente-cinerea ; *thorax linea transversa nigricante* ; *abdominis*
segmenta atro marginata ; *alæ lineis plurimis subdenticulatis,*
linea submarginali pallide cinerea, linea marginali e lunulis

atris; anticæ litura discali nigra, lineis nigricantibus aut nigris; posticæ dentatæ, lineis fuscis.

Geometra cervinata, Hubn. *Geom.* pl. 51, f. 266. *Haw. Lep. Brit.* 318.

Geometra caprearia? Bork. *Eur. Schm.* v. 168.

Plerocymia certata, Hubn. *Verz. Schm.* 332, 3185.

Acidalia certata, Treit. *Schm.* vi. 2, 72, 50.

Geometra certata, Frey. *Beitr.* pl. 396.

Larentia certata, Boisd. *Ind.* 205, 1638. *Herr.-Sch. Eur. Schm.* iii. 143, 77. *Delah. Schm.* 220.

Triphosa cervinata, Steph. *Ill. Brit. Haust.* iii. 262, 1.

Scotosia certata, Guen. *Phal.* ii. 448, 1637.

a—h. England. From Mr. Stephens' collection.

i—l. England.

m. Europe. From M. Becker's collection.

7. SCOTOSIA MONTIVAGATA.

Cinerea; alæ venis exterioribus nigro punctatis, linea submarginali albida denticulata; anticæ lineis fusciscentibus nigro marginatis.

Larentia montivagata, Dup. *Lep.* v. 368, pl. 196, f. 2. *Boisd. Ind.* 205, 1639. *Herr.-Sch. Eur. Schm.* iii. 142, 76, pl. 33, f. 203, 204. *Delah. Schm.* 219.

Scotosia montivagata, Guen. *Phal.* ii. 448, 1638.

French Alps. South Switzerland.

8. SCOTOSIA UNDULATA.

Cinerea; alæ lineis plurimis denticulatis fuscis, fascia marginali cervina lineam albam denticulatam includente, puncto discali nigricante; anticæ fascia media interlineata; posticæ margine exteriore dentato.

———, *De Vill. Ent. Linn.* ii. 338, 517.

Phalæna-Geometra undulata, Linn. *Syst. Nat.* i. 2, 867, 239; *Faun. Suec.* 1272. *Clerck, Icon.* pl. 6, f. 3. *Gmel. ed. Syst. Nat.* i. 5, 2471, 239.

Phalæna undulata, Fabr. *Sp. Ins.* ii. 257, 89; *Mant. Ins.* ii. 200, 133; *Ent. Syst.* iii. 2, 165. *Mull. Zool. Dan.* 127, 1463.

Geometra undulata, Wien. *Verz.* 109, 16. *Schr. Faun. Boic.* ii. 2, 32, 1657. *Bork Eur. Schm.* v. 316, 147. *Donov. Brit. Ins.*

x. pl. 342, f. 3. *Hubn. Geom.* pl. 51, f. 262; pl. 85, f. 436.
Ill. N. Ausg. dess. i. 438, 16. *Haw. Lep. Brit.* 320. *Sepp,*
Schm. v. pl. 26.

Geometra servata, *Berl. Mag.* iv. 5, 522, 36.

Acidalia undulata, *Treit. Schm.* vi. 2, 53, 37. *Dup. Lep.* v. 377,
 pl. 190.

Calocalpe undulata, *Hubn. Verz. Schm.* 330, 3182.

Eucosmia undulata, *Steph. Ill. Brit. Haust.* iii. 265, 1.

Larentia undulata, *Boisd. Ind.* 205, 1643. *Herr.-Sch. Eur. Schm.*
 iii. 144, 83. *Delah. Schm.* 226.

Scotosia undulata, *Guen. Phal.* ii. 449, 1640.

a—h. England. From Mr. Stephens' collection.

i—k. England.

l. Ireland. From Mr. Bouchard's collection.

m. Guernsey. Presented by Dr. Lukis.

n—q. Europe. From M. Becker's collection.

r—u. Nova Scotia. From Lieut. Redman's collection.

w. St. Martin's Falls, Albany River, Hudson's Bay. Presented by
 Dr. Barnston.

x. ———? From Mr. Milne's collection.

North America.

9. SCOTOSIA HÆSITATA.

Fœm. *Nigricante-cinerea*, *S. dubitatæ affinis*; *alæ anticæ apice*
minus rotundatæ, margine exteriori magis recto et obliquo,
testaceo variæ, spatio medio saturatiore lineis duabus nigris
marginato, linea exteriori dentibus rotundatis, linea submar-
ginali apud costam conspicua, venis nigro et ochraceo notatis;
posticæ multo pallidiores.

Scotosia hæsitata, *Guen. Phal.* ii. 444, 1629.

California.

10. SCOTOSIA LOBOPHORATA.

Fœm. *Cinerea*; *palpi graciles, breves*; *alæ anticæ elongatæ, fusco*
subconspersæ, apice subrotundatæ, lineis nonnullis fuscis angu-
latis denticulatis, fascia exteriori fusca, spatio marginali ex
parte fusco, striga discali punctisque marginalibus nigris;
posticæ pallidiores, lineis duabus exterioribus fusciscentibus
valde indistinctis.

Female. Cinereous. Palpi slender, not longer than half the breadth of the head. Thorax brown-speckled. Fore wings elongate, somewhat rounded at the tips, slightly brown-speckled, with several brown angular and denticulated lines; a brown band on the outer side of the discal streak, which is black; marginal space interrupted by brown; marginal points black; exterior border hardly convex, very oblique. Hind wings paler, with a brown discal point and two exterior very indistinct brownish lines. Length of the body 5 lines; of the wings 15 lines.

a. Nova Scotia. From Lieut. Redman's collection.

West Indies.

11. SCOTOSIA PROGRESSATA.

Fœm. *Ferruginea*; palpi brevissimi, latissimi, obscure fusci; alæ anticæ elongatæ, acutæ, fascia media obscuriore nigro marginata lineas fuscas includente, spatio marginali obscuriore lineam submarginalem pallidam denticulatam includente, lineis duabus basalibus denticulatis nigricantibus; posticæ dentatæ, lineis antice obsoletis.

Female. Ferruginous. Palpi dark brown, very short and broad. Wings ample, with black marginal lunules. Fore wings elongate, acute, with two blackish denticulate oblique lines near the base; middle space a little darker than the ground hue, bordered by two black denticulated lines, and containing three denticulated brown lines; marginal space also darker, containing the pale denticulated submarginal line; exterior border slightly convex, very oblique. Hind wings dentate; lines much like those of the fore wings, obsolete in front. Length of the body 8 lines; of the wings 24 lines.

a. St. Domingo. From Mr. Tweedie's collection.

South America.

12. SCOTOSIA AFFIRMATA.

Mas. *Lignoso-fusca*; tibiæ posticæ calcaribus valde approximatis; alæ lineis plurimis; anticæ acutæ, lineis interiore et exteriori distinctioribus subparallelis rotundato dentatis, 1a duplicata, puncto discali nigro, linea submarginali apud angulum interiorem dilatata fumoso-alba; posticæ dentatæ, linea submarginali pallida arcuata, fasciculo e pilis pallidis nigrisque.

Scotosia affirmata, Guen. *Phal.* ii. 447, 1636, pl. 9, f. 2.

Brazil.

13. SCOTOSIA DUBIFERATA.

Fœm. *Fusca*; *palpi lati, brevissimi, rostriformes*; *alæ anticæ vix falcatæ, lineis tribus interioribus obscurioribus, spatio medio subobscuriore e lineis nigris denticulatis incluso, linea submarginali cinerea angulosa, staiga discali atra*; *posticæ dentatæ, linea submarginali.*

Female. Brown, with a cinereous tinge beneath. Palpi broad, rostriform, very short. Wings ample; marginal line black, festooned; under side with a black discal dot. Fore wings acute, hardly falcate, with three or four darker brown denticulated lines towards the base; middle space a little darker than the ground hue, bordered by two denticulated black lines; submarginal line cinereous, zigzag; discal streak deep black; exterior border almost straight, rather oblique. Hind wings dentate, without lines, except the submarginal one, which is less distinct than that of the fore wings. Length of the body 8 lines; of the wings 26 lines.

a. Bogota. From Mr. Stevens' collection.

14. SCOTOSIA METAGRAMMATA.

Fœm. *Obscure cervina*; *palpi nigricantes, breves, lati, oblique ascendentes*; *alæ amplæ, linea submarginali cinerea denticulata*; *anticæ peracutæ, spatio medio obscuriore, lineis nonnullis fuscis denticulatis*; *linea submarginali postice dilatata, gutta discali nigra transversa*; *posticæ dentatæ.*

Female. Dull fawn-colour, hardly paler beneath. Palpi blackish, broad, short, obliquely ascending; third joint conical, minute. Wings ample, with a brown marginal festoon; submarginal line cinereous, denticulated. Fore wings very acute, with several brown oblique denticulated lines; middle space a little darker than the ground hue, bounded by two dark brown lines, which are composed of lunules; marginal space also darker; submarginal line dilated and forming a conspicuous mark near the interior angle; discal dot black, transverse; exterior border straight, rather oblique. Hind wings dentate, with the lines conspicuous on the veins. Length of the body 7—8 lines; of the wings 22—24 lines.

a—e. Venezuela. From Mr. Dyson's collection.

15. SCOTOSIA UMBRINATA.

Var. ? *Fusca*; *alæ lunulis marginalibus fuscis, gutta subtus discali nigra*; *anticæ spatio obscuriore lineis denticulatis nigris*; *posticæ margine exteriore dentato*.

Scotosia umbrinata, Guen. *Phal.* ii. 443, 1626, pl. 10, f. 2.

Brazil.

Var. ? *Female*. Brown, with a cinereous tinge beneath. Palpi broad, short, porrect; third joint very minute. Wings ample, with a brown marginal festoon; under side without markings, except a black discal dot. Fore wings acute; middle space darker, broadest in front, bordered and interlined with black denticulated lines; exterior border straight, rather oblique. Hind wings with the exterior border dentate. Length of the body 8 lines; of the wings 24 lines.

a. New Grenada. From the Entomological Society's collection.

16. SCOTOSIA VACILLATA.

Mas et fœm. *Olivacea*; *corpus cervinum*; *palpi brevissimi, ascendentes*; *antennæ maris pubescentes*; *alæ anticæ lineis nigricantibus diffusis denticulatis, fasciis tribus pallidis interlineatis, linea submarginali angulosa pallide cinerea, macula postica glauco-albida*; *posticæ obscure cinereæ, striga apicali albida*.

Male and female. Olive-green. Body fawn-colour, pale cinereous beneath. Palpi ascending, very short, moderately broad. Antennæ of the male pubescent. Wings elongate; marginal line blackish, interrupted by the veins. Fore wings acute, clouded with diffuse denticulated blackish lines; three pale interlined bands; first band near the base; second interior, acutely angular; third exterior, hardly undulating; submarginal line pale cinereous, zigzag; a glaucous-whitish nearly round spot on the middle of the interior border; exterior border almost straight, rather oblique; under side blackish exteriorly, with two large white spots, the first extending from the disk to the costa, the second apical. Hind wings dark cinereous, paler beneath, where there is a whitish apical streak. Length of the body 7—8 lines; of the wings 18—21 lines.

a. Bogota. From Mr. Stevens' collection.

b, c. New Grenada. From the Entomological Society's collection.

d—k. Venezuela. From Mr. Dyson's collection.

17. SCOTOSIA NITIDULATA.

Fœm. *Cinerea, rufescente varia; palpi graciles, brevissimi; alæ elongatæ, nigro conspersæ et guttatæ, lineis valde indistinctis, linea submarginali albida denticulata; anticæ apicæ subrotundatæ; posticæ margine exteriori subdentato.*

Female. Cinereous, varied with dull red. Palpi slender, very short, hardly extending beyond the head; third joint conical, very minute. Wings elongate, irregularly speckled and dotted with black; lines very indistinct, except the submarginal one, which is whitish and denticulated. Fore wings somewhat rounded at the tips; exterior border slightly convex, rather oblique, hardly festooned. Hind wings with the exterior border slightly dentate. Wings beneath without markings, except a broad brown border. Length of the body 6 lines; of the wings 16 lines.

Rio Janeiro. In Mr. Fry's collection.

Africa.

18. SCOTOSIA CONGOATA.

Fœm. *Ferrugineo-fusca; palpi breves, lati; alæ amplæ, linea submarginali subdenticulata pallide cinerea; anticæ elongatæ, spatio medio obscuriore lineas nigricantes includente, striga discali nigra; posticæ abdomen longe superantes.*

Female. Ferruginous-brown, hardly paler beneath. Palpi short, broad; third joint conical, minute. Wings ample; submarginal line pale cinereous, complete, slightly denticulated; marginal festoon blackish. Fore wings elongated, acute; middle space darker than the ground hue, containing several blackish lines, which are composed of lunules; discal streak black; exterior border partly brownish, slightly convex, very oblique. Hind wings extending much beyond the abdomen. Length of the body 8 lines; of the wings 24 lines.

a. Congo.

19. SCOTOSIA NATALATA.

Fœm. *Cinereo-fusca, robusta; palpi lati, brevissimi; alæ elongatæ, lineis plurimis denticulatis nigricantibus, linea submarginali angulosa pallide cinerea; anticæ acutæ, margine exteriori perobliquo.*

Female. Cinereous-brown, stout, pale cinereous beneath. Palpi broad, very short; third joint extremely minute. Wings elongate, with numerous blackish denticulated lines; submarginal line pale cinereous, zigzag; under side with a blackish elongated discal dot, with two brown exterior lines, and with a brown submarginal band. Fore wings acute; exterior border slightly convex, very oblique. Length of the body $5\frac{1}{2}$ lines; of the wings 18 lines.

a. Port Natal. From M. Gueinzus' collection.

Asia.

20. SCOTOSIA TREMULATA.

Fœm. *Testaceo-cinerea, S. montivagatæ valde affinis; alæ anticæ trigonæ, productæ, acutæ, lineis plurimis dentatis, linea submarginali e maculis tribus aut quatuor albis; posticæ dentatæ, maculis submarginalibus albis lineisque subobsoletis.*

Scotosia tremulata, Guen. Phal. ii. 448, 1639.

North Hindostan.

21. SCOTOSIA DUBIOSATA.

Fœm. *Cinereo-fusca; palpi rostriformes, brevissimi, subascendentes; alæ amplæ, linea submarginali angulosa pallide cinerea, lunulis marginalibus nigris; anticæ apice subrotundatæ, lineis duabus nigris denticulatis cinereo marginatis subduplicatis; posticæ vix pallidiores, apud marginem interiorem lineatæ, margine exteriore subdentato.*

Female. Cinereous-brown, more cinereous beneath, where there is a black discal streak on each wing. Palpi rostriform, very short, slightly ascending; third joint very minute. Wings ample; submarginal line pale cinereous, zigzag, most indistinct in the hind wings; marginal lunules black. Fore wings somewhat rounded at the tips; interior and exterior lines black, denticulated, bordered with pale cinereous, indistinctly double; some other lines, which are almost obsolete, except along the costa. Hind wings hardly paler than the fore wings, with traces of lines along the interior border; exterior border slightly dentate. Length of the body 5 lines; of the wings 18 lines.

a. Punjaub. Presented by Sir John Hearsay.

22. SCOTOSIA RUBRODOTATA.

Fœm. *Cinereo-fusca; palpi nigricantes, brevissimi, latissimi, disjuncti; alæ anticæ acutæ, lineis basalibus dentatis obscure fuscis, spatio medio obscure coccineo plagam cinereo-fuscam includente, spatio marginali fusco lineam submarginalem pallidam includente; posticæ tinctura marginali subcoccinea; margine exteriori dentato.*

Female. Cinereous-brown. Palpi blackish, very short and broad, apart from each other. Wings ample. Fore wings acute, with some dark brown oblique dentate lines near the base; middle space dark crimson-red, bordered with dark brown, containing a cinereous-brown patch; exterior line more deeply dentate than the lines towards the base; marginal space brown, including the pale submarginal line, which is very indistinct, except on the veins; costa convex exteriorly; exterior border hardly dentate, very oblique. Hind wings with some undulating exterior pale lines, which are most apparent on the veins; a crimson tinge along the exterior border, which is dentate. Length of the body 9 lines; of the wings 27 lines.

a. Hindostan. Presented by Sir John Hearsay.

23. SCOTOSIA PERSERRATA.

Fœm. *Cerrina; palpi brevissimi, oblique ascendentes; alæ nigricante subconspersæ, linea exteriori, puncto discali lunulisque marginalibus nigris, nebulis paucis exterioribus nigricantibus, lituris paucis submarginalibus diffusis cinereis, margine exteriori valde dentato; anticæ acutæ, linea interiori nigra biangulata, linea adhuc exteriori fusca, costam versus retracta.*

Female. Fawn-colour, cinereous beneath. Palpi very short, obliquely ascending; third joint very minute. Wings thinly blackish-speckled, deeply dentate; exterior line and marginal lunules black, with a few slight intermediate blackish shades; discal point black; a few diffuse cinereous marks along the exterior border. Fore wings acute, with an interior black line, which emits two prominent acute angles on its outer side, and is accompanied by a brown line on its inner side; exterior line abruptly retracted towards the costa, with three black streaks between its angle and

the exterior border, which is slightly convex and very oblique. Length of the body 6 lines; of the wings 20 lines.

a. South Hindostan. Presented by M. J. Walhouse, Esq.

24. SCOTOSIA ATROSTIPATA.

Fæm. *Viridescence-fusca, sat gracilis; palpi brevissimi, graciles, ascendentes; alæ nigricante conspersæ, fascia exteriorè angusta obliqua recta maculaque apicali pallide flavis; anticæ acutæ, fascia interiorè pallide flava angusta vix obliqua, striga discali nigra.*

Female. Greenish brown, rather slender. Palpi ascending, slender, very short; third joint extremely minute. Wings blackish-speckled, with a narrow oblique straight pale yellow exterior band; a pale yellow irregular apical spot; marginal lunules black. Fore wings acute, with a narrow hardly oblique pale yellow interior band; discal streak black; exterior border hardly convex, rather oblique. Hind wings with a brown discal dot; under side yellow, and with brownish speckles from the base to the exterior band. Length of the body 6—7 lines; of the wings 18—20 lines.

a. North Hindostan. Presented by Major Parry.

b. Hindostan. Presented by Sir John Hearsay.

25. SCOTOSIA MINIOSATA.

Mas et fæm. *Fusca; palpi lati, brevissimi; antennæ simplices; alæ anticæ acutæ, lineis duabus basalibus, fascia interiorè subundulata, striga discali lineaque exteriorè dentata nigris, linea submarginali testacea indeterminata; posticæ plaga maxima late ochracea.*

Male and female. Brown. Body cinereous beneath. Palpi broad, very short; third joint extremely minute. Antennæ smooth, slender. Wings ample; marginal lunules black. Fore wings acute, with two black slightly curved lines near the base; a narrow black slightly undulating interior band; discal streak black, slender; exterior line black, slender, dentate, irregular; submarginal line testaceous, very indistinct, except towards the costa, where it forms a conspicuous point; exterior border straight, moderately oblique; under side with a very broad orange band, which contains a brown costal streak. Hind wings with a very large bright orange patch, which occupies the tips and the adjoining part of the costa; under

side orange. Length of the body 7—8 lines; of the wings 18—20 lines.

a. Silhet. Presented by E. Doubleday, Esq.

b. Silhet. From Mr. Argent's collection.

c. North Hindostan. From Capt. Reid's collection.

d, e. Bootan. Presented by the Secretary of the India Board.

f. ———?

26. SCOTOSIA PILICOSTATA.

Fœm. *Cana; palpi sat graciles, usque ad apices pilosi, articulo 3o lanceolato; alæ latiusculæ, nigricante conspersæ; anticæ fasciis quatuor macularibus nigris, costa basi convexa fimbriata; posticæ subdentatæ, lineis tribus exterioribus fuscis indeterminatis.*

Female. Hoary. Palpi pilose to the tips, rather slender, extending somewhat beyond the head; third joint lanceolate, about half the length of the second. Antennæ slender. Wings rather broad, not long, minutely blackish-speckled; discal streak blackish; marginal lunules black; under side without markings, except an exterior blackish tinge. Fore wings acute, with several black spots and dots, which form four very incomplete bands; costa convex and fringed towards the base; exterior border convex, very slightly oblique. Hind wings with a denticulated exterior brown line, beyond which there are two diffuse paler brown lines; exterior border slightly dentate. Length of the body 7 lines; of the wings 20 lines.

a. South Hindostan. Presented by M. J. Walhouse, Esq.

Australia.

27. SCOTOSIA BRUJATA.

Fœm. *Ligneo-fusca; palpi graciles, breves; alæ lineis plurimis; anticæ lineis interiore et exteriore distinctioribus remotis sinuatis angulatis, macula discali e atomis albis strigaeque fusca contiguus; linea submarginali vix distincta; posticæ magis dentatæ.*

Scotosia brujata, Guen. Phal. ii. 440, 1628.

Tasmania.

28. SCOTOSIA REPENTINATA.

Fœm. *Ferrugineo-fusca*; *palpi breves, oblique ascendentes*; *alæ elongatæ, lineis fuscis denticulatis, spatio medio obscuriore marginibus nigris et cinereis extus subdenticulata et angulata, linea submarginali pallida subangulosa albido punctata*; *anticæ vix acutæ, spatio basali obscuriore*; *posticæ margine exteriori dentato.*

Female. Ferruginous-brown, with a reddish tinge beneath. Palpi short, obliquely ascending. Wings elongate, with indistinct denticulated brown lines; middle space broad, darker brown-bordered with black and with pale cinereous, slightly denticulated and forming a rounded angle on the outer side: submarginal line pale, slightly zigzag, distinguishable by whitish points on the veins; under side with a distinct black discal point. Fore wings hardly acute; basal space darker brown; exterior border slightly festooned, very oblique. Hind wings with the exterior border distinctly dentate. Length of the body 6 lines; of the wings 20 lines.

a. Moreton Bay. From Mr. Diggles' collection.

29. SCOTOSIA INCERTATA.

Fœm. *Ferrugineo-fusca*; *palpi brevissimi, caput vix superantes*; *alæ amplæ, linea exteriori nigricante denticulata indistincta albido diffuse marginata, linea submarginali cinerea angulosa albido punctata, lunulis marginalibus nigris*; *anticæ acutæ, linea interiore indistincta, costa pallido punctata*; *posticæ subdentatæ.*

Female. Ferruginous-brown, cinereous beneath. Palpi very short, hardly extending beyond the head; third joint extremely small. Wings ample; exterior line blackish, denticulated, indistinct, diffusively whitish-bordered; submarginal line cinereous, zigzag, very indistinct, distinguished by whitish points on the veins; marginal lunules black. Fore wings acute; interior line like the exterior line, but more indistinct; some traces of a similar middle line; costa with pale points; exterior border slightly convex, very oblique. Hind wings with a cinereous tinge; exterior border slightly dentate. Length of the body 5 lines; of the wings 18 lines.

a. Moreton Bay. From Mr. Diggles' collection.

30. SCOTOSIA SCITIFERATA.

Fœm. *Obscure cinerea; palpi pilosi, disjuncti, brevissimi, latissimi; antennæ graciles; alæ elongatæ, nigro conspersæ, lineis plurimis fasciisque tribus nigris perobliquis subrectis aut subundulatis, puncto discali nigro, margine exteriori subdentato; anticæ acutæ, margine exteriori perobliquo.*

Female. Dark cinereous. Palpi pilose, very short and broad, apart from each other; third joint extremely minute. Antennæ slender, smooth. Wings elongate, black-speckled, with numerous black very oblique nearly straight or slightly undulating lines, of which three are somewhat dilated and form bands; discal point black; exterior border slightly dentate; under side without markings, except the discal point. Fore wings acute; exterior border slightly convex, very oblique. Length of the body 5 lines; of the wings 16 lines.

a. Tasmania. Presented by M. Allport, Esq.

Var.? *Mas. Fuscescente-cinerea, robusta; palpi breves, validi, pilosi, rostriformes; antennæ robustæ; alæ lunulis marginalibus nigris; anticæ vix acutæ, lineis plurimis obliquis nigricantibus subrectis aut subundulatis, fasciis tribus fuscis obliquis subundulatis subparallelis, margine exteriori perobliquo; posticæ lineis apud marginem anteriorem conspicuis.*

Var.? *Male.* Brownish cinereous, stout, more cinereous beneath. Palpi short, stout, pilose, rostriform. Antennæ robust. Wings with black marginal lunules; under side without markings, except a black discal point. Fore wings hardly acute, with numerous nearly straight or slightly undulating oblique blackish lines, and with three oblique slightly undulating and nearly parallel brown bands; exterior border slightly convex, very oblique. Hind wings with the lines nearly obsolete, except along the interior border. Length of the body 5 lines; of the wings 14 lines.

a—c. Sydney. From Mr. Lambert's collection.

31. SCOTOSIA CANATA.

Fœm. *Schistacea, robusta; palpi lati, rostriformes, brevissimi; alæ lineâ tenui marginali nigra; anticæ elongatæ, sat angustæ, vix acutæ, lineis nonnullis fuscis obliquis denticulatis*

diffusis indistinctis, fascia anteriore recta obliqua lineaque anteriore angulosa informi nigricantibus; posticæ cinereæ, sublineatæ.

Female. Slaty cinereous, stout, paler beneath. Palpi broad, rostriform, very short. Wings with a slender black marginal line. Fore wings elongate, rather narrow, hardly acute, with several oblique diffuse denticulated indistinct brownish lines, with a straight oblique interior blackish band, and with a very zigzag and irregular exterior blackish line; exterior border nearly straight, very oblique. Hind wings cinereous, with very indistinct brownish lines. Length of the body 3 lines; of the wings 8 lines.

a Sydney. From Mr. Lambert's collection.

New Zealand.

32. SCOTOSIA SUBOBSCURATA.

Fœm. *Glaucocinerea; palpi obtusi, pilosissimi, oblique ascendentes; alæ amplæ, lineâ pallide cinerea denticulata indistincta lineaque anteriore ochracea parallelis, lineâ submarginali angulosa pallide cinerea; anticæ lineis anteriore et basali.*

Female. Glaucous-cinereous. Palpi obtuse, obliquely ascending, very pilose, not broad, extending somewhat beyond the head; third joint very minute. Wings ample, with an indistinct denticulated pale cinereous line, which is parallel to a more exterior diffuse ochraceous line; submarginal line pale cinereous, zigzag; under side with a black discal streak and a whitish exterior band. Fore wings acute, with two lines, one interior, the other basal, both much resembling the line before mentioned; under side with a whitish apical patch; exterior border straight, rather oblique. Length of the body 6 lines; of the wings 18 lines.

a. Auckland, New Zealand. From Mr. Oxley's collection.

33. SCOTOSIA EREBINATA.

Mas. *Ferruginea, robusta; palpi brevissimi; antennæ pectinatæ; alæ elongatæ, nigro subconspersæ, fascia media recta, lineâ anteriore angulosa fasciâque submarginali intus diffusa nigricantibus; anticæ acutæ, fascia media antice obsoleta, macula discali nigricante, gutta marginali alba; posticæ atomis marginalibus albidis, margine anteriore subdentato.*

Male. Ferruginous, stout, pale cinereous beneath. Palpi very short, extending a little beyond the head; second joint broad; third obtuse, very minute. Antennæ moderately pectinated. Wings elongate, slightly black-speckled; middle band blackish, straight, oblique, obsolete in front on the fore wings; exterior line blackish, zigzag; submarginal band blackish, diffuse on the inner side; marginal lunules black. Fore wings acute, with a blackish discal spot; exterior border slightly convex, very oblique, with a white dot on the middle. Hind wings with some whitish speckles along the exterior border, which are slightly dentate. Length of the body 9 lines; of the wings 24 lines.

a. Auckland, New Zealand. From Mr. Oxley's collection.

34. SCOTOSIA FRACTATA.

Fœm. *Cinerea, vix fuscescens suffusa; palpi breves, porrecti, fimbriati, acuti; alæ nigro conspersæ, puncto discali lunulisque marginalibus nigris; anticæ elongatæ, nigro lineatæ, apice rotundatæ, lineis basali et interiore rectis obliquis, linea exterior valde undulata, linea adhuc exterior minus undulata, linea submarginali valde interrupta; posticæ lineis apud marginem interiorem conspicuis.*

Female. Cinereous, with a very slight brownish tinge. Palpi porrect, fringed, very much shorter than the breadth of the head; third joint minute, conical, acute. Antennæ smooth. Wings black-speckled; discal point and marginal lunules black; under side without markings, except a black discal point and a black submarginal band. Fore wings elongated, rounded at the tips; lines black; basal and interior lines straight, oblique; a trace of the middle line on the interior border; exterior line deeply undulating; another more exterior and less undulating line; submarginal line very incomplete; exterior border straight, very oblique. Hind wings with traces of lines along the interior border; outermost line extending from the interior border to the middle of the breadth. Length of the body 5 lines; of the wings 14 lines.

a. Australia. From Mr. Damel's collection.

35. SCOTOSIA STIGMATICATA.

Fœm. *Testacea; palpi breves, fimbriati, oblique ascendentes; antennæ subsetulosæ; alæ nigro subconsersæ, lineis media et*

exteriore fuscescentibus, hac denticulata, punctis marginalibus nigris, margine exteriore dentato; anticæ acutæ, linea interiori fuscescente denticulata duplicata, nebula marginali fuscescente lineam submarginalem albidam indistinctam vix undulatam includente, striga apicali lata obliqua albida, macula discali magna nigricante.

Male. Testaceous, more whitish beneath. Palpi short, fringed, obliquely ascending; third joint very minute. Antennæ minutely setulose. Abdomen with a very small apical tuft. Wings thinly and minutely black-speckled; middle and exterior lines brownish, the former less distinct than the latter, which is denticulated; marginal points black; exterior border dentate. Fore wings acute, with a double interior denticulated brownish line; a brownish marginal shade, in which the whitish hardly undulating submarginal line may be traced; apical streak broad, oblique, whitish; discal spot large, blackish; exterior border convex, moderately oblique. Hind wings very little paler than the fore wings. Length of the body $6\frac{1}{2}$ lines; of the wings 18 lines.

a. New Zealand. Presented by Col. Bolton.

36. SCOTOSIA PANAGRATA.

Fœm. *Ferrugineo-fusca; palpi breves, lati, obtusi, disjuncti; antennæ plumosæ; alæ amplæ; anticæ acutæ, nigricante cinereo ex parte nebulosæ, linea exteriore nigra denticulata cinereo punctata, linea submarginali cinerea angulosa diffusa, striga pallide cinerea sat magna; posticæ obscure cinereæ, vix dentatæ, fimbria rufescente.*

Male. Ferruginous-brown. Palpi short, broad, obtuse, apart from each other; third joint very minute. Antennæ plumose, except towards the tips, which are pale cinereous. Abdomen cinereous. Tarsi with cinereous bands. Wings ample. Fore wings acute, partly shaded with blackish cinereous; exterior line black, denticulate, the teeth with cinereous tips; submarginal line cinereous diffuse, zigzag, indistinct hindward; discal streak pale cinereous, rather large. Hind wings dark cinereous; exterior line indistinct; exterior border slightly festooned; fringe reddish. Length of the body 6 lines; of the wings 18 lines.

a. Auckland, New Zealand. From Mr. Oxley's collection.

37. SCOTOSIA DENOTATA.

Fœm. *Ferruginea; palpi lati, longi, articulo 3o minimo; alæ elongatæ, lineis plurimis nigris denticulatis perobliquis ex parte albo marginatis, linea submarginali pallide cinerea angulosæ; anticæ apice subrotundatæ, litura discali exteriori alba, margine exteriori perobliqua.*

Female. Ferruginous. Palpi broad, porrect, nearly as long as the breadth of the head; third joint extremely short. Wings elongated, with numerous very oblique denticulated black lines, some of which are partly bordered with white; one of these white lines is dilated and forms a distinct mark on the exterior part of the disk of the fore wings; submarginal line pale cinereous, zigzag; marginal line black, slender; under side cinereous, with lines represented by points. Fore wings slightly rounded at the tips; exterior border slightly convex, very oblique. Length of the body $3\frac{1}{2}$ lines; of the wings 10 lines.

a, b. New Zealand. Presented by Col. Bolton.

c. New Zealand. Presented by the Rev. W. Colenso.

38. SCOTOSIA LIGNOSATA.

Mas. *Cervina; palpi caput vix superantes; antennæ vix pectinatæ; alæ elongatæ, nigricante conspersæ, fascia media, linea exteriori angulosa fasciæque submarginali diffusa nigricantibus, margine exteriori valde dentato; anticæ linea interiori abbreviata guttaque discali nigricantibus, fascia media antice abbreviata; posticæ fascia media diffusa.*

Male. Fawn-colour. Palpi hardly extending beyond the head; third joint very minute. Antennæ very minutely pectinated. Wings elongate, minutely blackish-speckled; middle band abbreviated in front on the fore wings, diffuse on the hind wings; exterior line blackish, zigzag; submarginal band blackish, diffuse on the inner side, obsolete towards the tips of the fore wings; marginal space pale, shaded with brown towards the tips of the fore wings; marginal lunules black; exterior border deeply dentate; under side pale, with a broad brown submarginal band. Fore wings acute; interior line blackish, abbreviated; discal spot blackish; exterior border very oblique, slightly convex. Length of the body 8 lines; of the wings 22 lines.

a. New Zealand. Presented by Col. Bolton.

39. SCOTOSIA SUBITATA.

Fœm. *Cervina, robusta; palpi longi, robusti, porrecti; abdomen nigro unifasciatum; alæ anticæ elongatæ, apice rotundatæ, fascia interiore fusca obliqua nigro marginata antice cervina costam versus abbreviata, striga longitudinali fusca antice diffusa postice nigro marginata, fascia adhuc interiore pallida nigro interlineata, macula discali exteriori albida oblongo-quadrata, linea submarginali cinerea angulosa.*

Female. Fawn-colour, robust, paler beneath. Palpi porrect, stout, nearly as long as the breadth of the head; third joint conical, short. Abdomen with a black band across the third segment. Wings elongate; marginal line black, slender. Fore wings rounded at the tips; veins with some elongated black points; a brown oblique interior black-bordered band, fawn-colour in front, abbreviated near the costa, traversed by a broad brown streak, which is diffuse in front and is bordered hindward by an angular black line; a band somewhat paler than the ground hue extends along the inner side of the brown band, and is intersected by a black line; a whitish oblong-quadrate spot at the end of the brown streak; submarginal line cinereous, zigzag; exterior border slightly convex, very oblique. Hind wings with some lines apparent along the interior border. Length of the body $3\frac{1}{2}$ lines; of the wings 10 lines.

a. New Zealand. Presented by Col. Bolton.

40. SCOTOSIA HUMERATA.

Fœm. *Fusca, subtus cinerea; palpi longi, lati, disjuncti; alæ elongatæ, fusco conspersæ, lineis nonnullis fuscis denticulatis diffusis; anticæ acutæ, striga discali nigricante, striga discali exteriori arcuata albida.*

Female. Brown, cinereous beneath. Palpi broad, porrect, apart from each other, nearly as long as the breadth of the head; third joint very minute. Wings elongate, speckled with brown, with several diffuse denticulated oblique brown lines. Fore wings acute, testaceous at the base, except by the costa, and with a curved whitish mark on the exterior part of the disk; discal streak blackish; exterior border slightly convex, extremely oblique. Length of the body $3\frac{1}{2}$ lines; of the wings 10 lines.

a. New Zealand. Presented by Col. Bolton.

Country unknown.

41. SCOTOSIA BLOSYRATA.

Fœm. *Fusca* ; *alæ dentatæ, violaceo-rufo nitentes, lineis plurimis, linea exteriori nigra magis conspicua valde sinuata, linea submarginali e lunulis albo-cinereis nigro marginatis, subtus testaceæ, lineis plurimis undulato dentatis margine nigricante.*

Scotosia blostyrata, Guen. Phal. ii. 444, 1630.

42. SCOTOSIA IMPAUPERATA.

Fœm. *Pallide cinereo-cervina, fusco conspersa ; palpi breves, subascendentes ; alæ lineis nonnullis indistinctis fasciisque duabus diffusis fuscis, fascia 1a exteriori, 2a submarginali, fimbria obscure fusca cinereo punctata ; anticæ acutæ, margine perobliquo.*

Female. Pale cinereous fawn-colour, with brown speckles, which are confluent and form two diffuse bands on the wings. Palpi short, slightly ascending. Wings with some indistinct brown lines ; first band exterior ; second band submarginal ; fringe dark brown, with pale cinereous points ; under side paler, less speckled and with more distinct lines. Fore wings acute ; exterior border slightly convex, very oblique. Length of the body 5 lines ; of the wings 16 lines.

a. ——— ?

43. SCOTOSIA SUBEMERSA.

Mas. *Fusca ; alæ amplæ, linea exteriori subrecta obscure fusca, spatio adhuc exteriori flavesciente consperso, spatio marginali rufescente-ferrugineo ; anticæ linea interiori fusca.*

Male. Brown, brownish cinereous beneath. Abdomen with minute tufts along each side ; apical tuft quadrate. Wings ample ; a dark brown oblique nearly straight exterior line bounding a yellowish brown-speckled space, which towards the costa of the fore wings is nearly wholly yellow ; marginal space reddish ferruginous ; under side with a brown discal streak, and a diffuse brown submarginal band. Fore wings acute, with an interior brown line, which is nearly parallel to the exterior one ; exterior border slightly convex, moderately oblique. Length of the body 9 lines ; of the wings 22 lines.

a. ——— ?

44. SCOTOSIA IGNOTATA.

Mas. *Cinerea* ; palpi lati, non longi ; antennæ subsetulosæ, subpubescentes ; alæ fusco conspersæ, lineis tribus fusciscentibus subundulatis vix distinctis, gutta discali fusca subtus nigricante magis determinata, spatio marginali obscuriore, linea submarginali pallida angulosa, punctis marginalibus nigris ; anticæ vix aculæ.

Male. Cinereous. Palpi broad, shorter than the breadth of the head ; third joint very minute, less than one-fourth of the length of the second. Antennæ minutely setulose and pubescent. Wings speckled with brown ; interior, middle and exterior lines brownish, slightly undulating, rather indistinct ; discal dot brown, blackish and more concise on the under side ; marginal space with a darker cinereous tinge, in which the pale zigzag submarginal line may be traced ; marginal points black. Fore wings hardly acute ; exterior border slightly convex, rather oblique. Length of the body 4 ? lines ; of the wings 10 lines.

a. ——— ?

45. SCOTOSIA SAURISATA.

Fœm. *Obscure fusca* ; palpi porrecti, longi, disjuncti, articulo 3o brevi ; antennæ vix serratæ ; alæ atomis lineisque nonnullis denticulatis ochraceis, lineis interioribus valde interruptis, lunulis marginalibus nigris ; anticæ apice subrotundatæ, striga discali nigra, costa ochraceo notata, margine exteriori perobliquo.

Female. Dark brown, cinereous-brown beneath. Palpi porrect, apart from each other, much longer than the breadth of the head ; third joint conical, not more than one-eighth of the length of the second. Antennæ very minutely serrated. Wings with five or six ochraceous denticulated lines and with some ochraceous speckles ; lines towards the base very incomplete ; marginal lunules black ; fringe long, full. Fore wings slightly elongated, somewhat rounded at the tips ; discal streak black ; costa with ochraceous marks ; exterior border slightly convex, very oblique. Length of the body 5 lines ; of the wings 14 lines.

a. ——— ?

46. SCOTOSIA MOLLISATA.

Fœm. *Fuscescente-cinerea* ; palpi breves, oblique ascendentes ; alæ elongatæ, nigro conspersæ, fascia interiore diffusa lineaque media devia obliquis nigricantibus, fascia submarginali fusca lineam submarginalem angulosam pallide cineream includente, lunulis marginalibus nigris ; anticæ vix acutæ, margine exteriore perobliquo.

Female. Brownish cinereous, cinereous beneath. Palpi short, obliquely ascending. Wings elongate, minutely black-speckled, with a diffuse oblique blackish interior band ; middle line blackish, more slender and irregular ; submarginal band brown, containing the pale cinereous zigzag submarginal line ; marginal lunules black ; under side with a brown discal point, a brown interrupted exterior line and a brown marginal band. Fore wings hardly acute ; exterior border very slightly convex, very oblique. Length of the body 5 lines ; of the wings 16 lines.

a. ——— ?

Genus 24. PTEROCYPHA.

Corpus robustum. Proboscis valida. Palpi ascendentes, lati, brevissimi ; articulus 3us minimus. Antennæ maris subsetulosæ. Pedes longi, læves ; tibiæ posticæ calcaribus quatuor sat longis. Alæ amplæ, margine exteriore subdentato ; anticæ maris basi lanuginosæ, tegulis duabus costalibus fasciculatis.

Pterocypha, *Herr.-Sch. Exot. Schm.*
Scotosia, *p., Guen.*

Body stout. Proboscis robust. Palpi ascending, broad, very short ; third joint conical, very minute. Antennæ of the male robust, very minutely setulose. Abdomen not extending beyond the hind wings. Legs long, smooth ; hind tibiæ with four moderately long spurs. Wings ample ; exterior border slightly dentate. Fore wings acute, lanuginous towards the base, and with two tufted flappets on the costa in the male ; exterior border slightly convex, moderately oblique.

Type, *P. gibbosaria*.

West Indies.

1. PTEROCYPHA PANNOSATA.

Cervina, subtus pallide cinerea; alæ lineis fuscis denticulatis, linea submarginali albida angulosa, lunulis marginalibus nigris; anticæ lineis tribus nigris strigae apicali nigris bene determinatis. Mas.—Abdominis fasciculus apicalis albus.
Var.—Alæ anticæ spatio medio fusco.

Scotosia pannosata, Guen. *Phal.* ii. 442, 1625.

a—g. St. Domingo. From Mr. Tweedie's collection.

h. St. Domingo. From Mr. Hearse's collection.

i. St. Domingo.

2. PTEROCYPHA STELLATA.

Fœm. Saturate lignoso-fusca; alæ lineis plurimis indistinctis obscurioribus, spatiis lineaque submarginali punctulari cinereo-testaceis, lunula discali punctis venarum punctisque marginalibus albis, margine exteriori subdentato.

Scotosia stellata, Guen. *Phal.* ii. 443, 1627.

West Indies. Brazil.

a. St. Domingo. From Mr. Tweedie's collection.

b. St. Domingo. From Mr. Hearse's collection.

c. ——— ?

3. PTEROCYPHA? MARMORATA.

Cinerea; alæ anticæ lineis plurimis, viridi et rufescente variæ, extus fuscescentes; posticæ ferrugineæ, fusco bilineatæ, apices versus fuscescentes.

Phalæna marmorata, Cram. *Pap. Exot.* ii. 87, pl. 151, f. F.

Berbice.

4. PTEROCYPHA DEFENSATA.

Fœm. *P. delineatæ simillima*; palpi pallidiores; alæ anticæ fasciis nullis distinctis, spatio medio pallido latiore lineam unicam dentatam undulatam includente, linea exteriori magis flexa; posticæ pallidiores, linea exteriori undulata margineque lato fuscis.

Female. Very closely allied to *P. delineata*, but differing from that species in the following characters. Palpi much paler. Fore wings without distinct bands; middle pale space broader, approaching nearer to the base of the wing, containing a single undulating and dentate line instead of the two much more straight lines, which it includes in *P. delineata*; exterior line much more bent. Hind wings much paler and without lines, excepting an undulating exterior brown line and a broad brown border. Wings beneath with the submarginal band much less regular. Length of the body 5 lines; of the wings 16 lines.

a. St. Domingo. From Mr. Tweedie's collection.

5. PTEROCYPHA DELINEATA.

Fœm. *Subcervino-cinerea; palpi breves, lati, nigrificantes, oblique ascendentes; alæ margine exteriore vix dentato; anticæ fusco conspersæ, lineis plurimis nigrificantibus subdenticulatis, fasciis tribus e lineis collocatis, spatio medio lineaque submarginali angulosa albidis; posticæ magis cervineæ, lineis nonnullis fusciscentibus denticulatis indistinctis.*

Female. Cinereous, stout, tinged with fawn-colour. Palpi blackish, broad, short, obliquely ascending; third joint very small. Wings with the exterior border hardly dentate. Fore wings acute, partly covered with brown speckles, which are here and there confluent; several blackish slightly denticulated lines, some of which are arranged in three bands; outer line of the third or exterior band much more dentate and undulating than the others; submarginal line whitish, zigzag, irregular, partly obliterated; space between the second and third bands whitish, including the black discal point; marginal festoon black, like that of the hind wings, which are more fawn-coloured and have several brownish denticulated indistinct lines. Length of the body 6 lines; of the wings 18 lines.

a. St. Domingo. From Mr. Tweedie's collection.

b. St. Domingo.

6. PTEROCYPHA PERTURBATA.

Mas. *Cervina, subtus albida; alæ linea marginali nigro interrupta; anticæ lineis plurimis fuscis subundulatis, spatio basali fusco, fascia exteriore e lineis tribus; posticæ fusciscente-cinereæ, marginibus interiore et exteriore obscure fuscis.*

Male. Fawn-colour, whitish beneath. Wings with an interrupted black marginal line; under side with the usual marginal band, which in the fore wings is interrupted in the middle and is dilated in front, where it contains a whitish apical spot. Fore wings with several slightly undulating brown lines; interior space (excepting the base) shaded with brown, which hue is dilated hindward and has a blackish tinge along the interior border; exterior band composed of three lines, obliterated hindward by the brown hue. Hind wings brownish cinereous, dark brown along the interior and exterior borders. Length of the body 5 lines; of the wings 14 lines.

a. St. Domingo. From Mr. Tweedie's collection.

7. PTEROCYPHA DETURBATA.

Mas et fœm. *Cervina, subtus pallide cinerea; alæ punctis marginalibus nigris elongatis; anticæ lineis plurimis denticulatis nigris fusco plus minusve nebulosis, fascia nonnunquam exteriore albida informi, linea submarginali cinerea angulosa, margine exteriore perobliqua; postica fuscescente-cinereæ.*

Male and female. Fawn-colour, pale cinereous beneath. Wings with black marginal elongated points; under side with a brown marginal band, which includes a guttular whitish submarginal line, and is much dilated in the fore wings, where it contains a broad transverse whitish streak, proceeding from the costa. Fore wings hardly acute, with many denticulated black lines, more or less shaded with brown, sometimes with a broad irregular exterior whitish band; submarginal line cinereous, zigzag; exterior border slightly convex, very oblique. Hind wings brownish cinereous. Length of the body 5—5½ lines; of the wings 16 lines.

a—d. St. Domingo. From Mr. Tweedie's collection.

8. PTEROCYPHA RUPTIFERATA.

Fœm. *Cervina, P. pannosatæ valde affinis; caput obscure fuscum; alæ anticæ fasciis tribus subparallelis e lineis denticulatis nigris, linea submarginali e punctis albidis; posticæ fasciis duabus antice obsoletis.*

Female. Fawn-colour, with a cinereous tinge beneath, nearly allied to *P. pannosata*. Head dark brown. Wings with brown marginal lunules. Fore wings acute, with three oblique nearly parallel bands, each of which is composed of two black denticulated

lines; submarginal line distinguished by whitish points; exterior border slightly convex, moderately oblique. Hind wings with the second and third bands obsolete in front, distinct hindwards. Length of the body 7 lines; of the wings 20 lines.

a. West Indies.

South America.

9. PTEROCYPHA GIBBOSARIA.

Glauco-viridis; alæ subtus albido-testaceæ, gutta discali nigra, linea exteriori fasciæque submarginali nigricantibus; anticæ lineis denticulatis nigricantibus, extus ex parte ferrugineæ, linea submarginali angulosa albida; posticæ ferrugineo-cinereæ, extus nigro lineatæ.

Pterocypha gibbosaria, Herr.-Sch. *Exot. Schm.* pl. 63, f. 353, 354.
Scotosia gibbosaria, Guen. *Phal.* ii. 442, 1624.

Brazil.

10. PTEROCYPHA DIVULSATA.

Fœm. Olivacea; palpi breves, robusti, angulati; abdomen punctis nigris bilineatum; alæ elongatæ, margine exteriori subdentato; anticæ lineis nonnullis denticulatis obscure fuscis, lineis tribus nigris, 3a flexa, spatio marginali fuscescente, linea submarginali cinerea angulosa; posticæ fuscescentes, lineis exterioribus obscurioribus.

Female. Olive-green, stout, cinereous beneath. Palpi short, stout, pilose; third joint elongate-conical, decumbent, forming an angle with the second. Abdomen with two rows of black points. Wings elongate, with a black marginal festoon; exterior border slightly dentate. Fore wings acute, with several denticulated dark brown lines; basal, interior and exterior lines black, more distinct than the others; exterior line slightly undulating, bent outward in the middle; marginal space brownish; submarginal line cinereous, zigzag, not very distinct; exterior border slightly convex, rather oblique; under side with the discal streak, three exterior lines and the submarginal band dark brown. Hind wings brownish, with exterior darker lines. Length of the body 7 lines; of the wings 20 lines.

Rio Janeiro. In Mr. Fry's collection.

11. PTEROCYPHA OPPOSITATA.

Fœm. *Olivacea, nigro conspersa; alæ anticæ elongatæ, fasciis quinque e lineis denticulatis nigris ex parte fusco nebulosis, striga discali nigra, maculis subtus duabus albidis.*

Female. Olive-green, black-speckled, cinereous beneath. Fore wings elongate, acute, with five indistinct bands, each composed of denticulated black lines and partly clouded with brown; discal streak and marginal points black; exterior border slightly convex, very oblique; under side with two whitish spots, one on the middle of the exterior border, the other apical. Hind wings blackish cinereous. Length of the body 8 lines; of the wings 24 lines.

a. Nanta, Amazon Region. From Mr. Bates' collection.

12. PTEROCYPHA IMPERVIATA.

Fœm. *Cervina; palpi ascendentes, brevissimi; alæ subtus extus nigricantes albo plagiata; anticæ lineis plurimis nigris denticulatis, spatio medio plagisque tribus exterioribus fuscis, linea submarginali alba denticulata; posticæ obscure cinereæ, margine exteriori postico cervino.*

Female. Fawn-colour, stout, cinereous beneath. Palpi ascending, very short; third joint very minute. Wings with black marginal lunules; under side blackish exteriorly, white along part of the exterior border and at the tips. Fore wings acute, with numerous oblique black denticulated lines; middle space and three exterior patches brown; submarginal line white, denticulated; exterior border hardly convex, rather oblique. Hind wings dark cinereous, fawn-colour along the hind part of the exterior border. Length of the body 7 lines; of the wings 20—22 lines.

a. Venezuela. From Mr. Dyson's collection.

b. Bogota. From Mr. Stevens' collection.

13. PTEROCYPHA CELERATA.

Fœm. *Cinereo-cervina, robusta, subtus albida; palpi breves, obscure fusci; thorax nigro fasciatus; alæ elongatæ, linea submarginali cinerea denticulata, margine exteriori subdentato; anticæ lineis nonnullis fuscis undulatis dentatis, fascia basali lineisque duabus nigris, linea 2a postice obsoleta.*
Var.?—*Palpi cervini; thorax non fasciatus; alæ anticæ fascia nulla basali, linea exteriori integra.*

Female. Cinereous fawn-colour, stout, whitish beneath. Palpi dark brown, short, porrect. Thorax with a black band in front. Wings elongate; submarginal line cinereous, denticulated; marginal lunules black; exterior border slightly dentate; under side with the discal dot, the exterior line and the submarginal band dark brown. Fore wings acute, with some brown undulating and dentate lines; a black band near the base, parallel to the interior black line; exterior line black, denticulate, forming a prominent tooth in front on the outer side, mostly obsolete hindward; exterior border slightly convex, rather oblique. Hind wings with two or three of the exterior lines complete, the others confined to the interior border. Length of the body 5—6 lines; of the wings 18—20 lines.

Var. ♀—Palpi fawn-colour. Thorax not banded. Fore wings without the black band near the base; exterior line incomplete. This may be a distinct species.

Rio Janeiro. In Mr. Fry's collection.

14. PTEROCYPHA CONFUSATA.

Albida, cervino pallido varia; palpi nigricantes, breves, ascendentes; alæ amplæ, nigricante conspersæ, linea exteriori nigricante, lunulis marginalibus atris, spatio marginali fusco aut nigricante, linea submarginali albida angulosa ex parte obsoleta; anticæ apice rotundatæ, margine exteriori convexo sat obliquo; posticæ subdentatæ.

Whitish, tinged here and there with pale fawn-colour. Palpi blackish, short, ascending. Wings ample, with blackish speckles and with deep black marginal lunules; exterior line blackish, dentate in the fore wings; marginal space mostly brown or blackish, including the white zigzag submarginal line, which is partly obsolete; under side with a blackish discal dot and with a broad blackish submarginal band. Fore wings rounded at the tips; speckles here and there confluent; exterior border convex, rather oblique. Hind wings with the exterior border slightly dentate. Length of the body 8? lines; of the wings 24 lines.

a. Brazil. From Mr. Stevens' collection.

Genus 25. POLYSEMIA.

Fœm. Proboscis crassa. Palpi ascendentes, sat graciles, caput superantes; articulus 3us filiformis, optime determinatus. Antennæ

longissimæ; articuli bisetosi. Abdomen oblongo-ovatum, tumidum, longissimum. Pedes longissimi, gracillimi; tarsi posteriores longissimi, subspinosi. Alæ amplæ, concolores, valde dentatæ, lituris non diversis; anticæ fasciculo discali squamoso.

Polysemia, *Guen. Phal.* ii. 459.

Female. Proboscis very robust. Palpi ascending, rather slender, extending somewhat beyond the head; third joint filiform, very distinct. Antennæ very long; each joint with two bristles. Abdomen oblong-ovate, tumid, very long. Legs very long and slender; posterior tarsi very long, with minute spines. Wings ample, very much dentated, alike in colour and with like markings. Fore wings with an elevated discal squamous tuft.

1. POLYSEMIA STELLIDARIA.

Fœm. *Subroseo-cinerea; alæ fascia lata nigricante extus dilatata; posticæ lituris marginalibus albis; quatuor subtus roseæ, nigricante maculatæ.*

Polysemia stellidaria, Guen. Phal. ii. 450, 1641.

Haiti.

2. POLYSEMIA LIRARIA.

Fœm. *Ochraceo-flava; alæ dentatæ, nigro conspersæ, lineis duabus nigris remotis angulosis; anticæ linea exteriori biangulata; posticæ lineolis plurimis nigris; quatuor subtus lituris vix ullis.*

Polysemia liraria, Guen. Phal. ii. 431, 1642.

Genus 26. SYRTODES.

Corpus sat robustum. Palpi varii. Antennæ longæ, robustæ, maris velutinæ aut serratæ. Abdomen cristatum, longissimum, alas posticas superans. Pedes longi; tibiæ posticæ incrassatæ, calcariibus remotis. Alæ valde oblongæ; anticæ disco tumidæ, costa convexa, margine exteriori rotundato aut subflexo; posticæ discolores, apud angulum anteriorem truncatæ.

Syrtodes, Guen. Phal. ii. 451.

Body moderately stout. Palpi variable. Antennæ long, robust, velvety or serrated in the male. Abdomen very long, extending beyond the hind wings, crested in both sexes. Legs long; hind tibiæ long, incrassated; the two pairs of spurs remote from each

other. Wings very oblong. Fore wings tumid in the middle of the disk; costa convex; exterior border rounded or slightly bent. Hind wings differing in colour from the fore wings, truncated at the interior angle.

1. SYRTODES CYTHEREATA.

Mas. *Olivacea; alæ integræ, fimbria intercisa; anticæ fusco et nigricante variæ, lituris confusis, linea exterior nigricante albido marginata antice obliqua subrecta postice retracta subdentata, linea exterior e maculis anticis nigris posticis albidis; posticæ sordide flavæ, linea submarginali nigricante.*

Syrtodes cytherata, Guen. *Phal.* ii. 452, 1643.

Para.

2. SYRTODES XYLINATA.

Mas. *Fuscescente-cinerea; alæ dentatæ; anticæ valde oblongæ, nigricante subconspersæ, lineis duabus nigris, inferiore obliqua subrecta, superiore triangulata, striga nigra maculæque vagæ alba apicalibus, linea submarginali alba indistincta; posticæ fumoso-albæ, margine fusco-cinereo.*

Syrtodes xylinata, Guen. *Phal.* ii. 452, 1644.

Brazil.

3. SYRTODES CHLOROCYSTATA.

Mas.—*Olivacea; alæ subdentatæ; anticæ nigro-fusco et cervino variæ, spatio medio nigricante e linea anguata extus marginato, linea submarginali vaga e atomis albis conspicua, punctis marginalibus nigris; posticæ saturate nigro-fusæ, margine vinoso.*
Fœm.—*Major; alæ anticæ latiores, viridi lætiore, ochraceo variæ; posticæ cineræ.*

Syrtodes chlorocystata, Guen. *Phal.* ii. 452, 1645.

Brazil.

4. SYRTODES JUVENEATA.

Fœm. *S. chlorocystatæ affinis, major; alæ anticæ virides, fusco maculatæ, spatio medio maculæque quadrata marginali, linea submarginali subobsoleta, subtus carneo-cinereæ nigricante strigatæ; posticæ subtus fascia lata submarginali.*

Syrtodes juveneata, Guen. *Phal.* ii. 453, 1646.

Brazil?

5. SYRTODES MISELIATA.

Fœm. *Cinerea*; *alæ dentatæ*, *anticæ acutæ*, *fusco variæ*, *viridi pallido tinctæ*, *spatio medio nigro extus producto*, *striga nigra maculaque pallida apicalibus*; *posticæ rufescente-testaceæ*, *strigis nebulis umbraque flexa nigricantibus*.

Syrtodes miseliata, *Guen. Phal.* ii. 453, 1647.

Brazil?

6. SYRTODES CHLORATA.

Viridis; *alæ anticæ subfalcatæ*, *fusco nebulosæ*, *lineis angulatis nigris*, *linea submarginali pallida*, *marginē exteriorē flexo*; *posticæ cinereo-roseæ*, *lineis duabus diffusis nigro-cinereis*.

Ischnopteris chlorata, *Hubn. Samml. Exot. Schm.* ii.; *Lep.* v.; *Geom.* iii.; *Æquivoca* v.; *Petrophoræ B. variæ*, 7, f. 1—4.

Syrtodes chlorata, *Guen. Phal.* ii. 453, 1648.

7. SYRTODES CATOCALATA.

Subviridescente-cinerea; *alæ anticæ spatiis tribus saturationibus glaucescente-albo conspersis*, *1a basali*, *2a apicali*, *3a apud angulum interiorem*, *linea submarginali alba angulosa*; *posticæ ochraceæ*, *vitta apud marginem interiorem interrupta excavata*.

Syrtodes catocalata, *Guen. Phal.* ii. 454, 1649, pl. 14, f. 8.

Brazil.

8. SYRTODES? BIFINITA.

Mas. *Obscure viridis*, *robusta*; *palpi validi*, *pilosi*, *oblique ascendentes*; *antennæ læves*, *cervinæ*; *abdomen alas posticas superans*, *fasciculo apicali pallide flavo basi fusco*; *tibiæ posticæ incrassatæ*; *alæ anticæ amplæ*, *nigro conspersæ*, *apice subobtusæ*, *lineis basali et interiore dentatis strigisque marginalibus nigris*, *linea submarginali albida angulosa*, *plagis duabus posticis rufescente-fuscis*; *posticæ fuscæ*, *lanuginosæ*, *marginē interiore basali fasciculato*.

Male. Dark dull green, stout, cinereous fawn-colour beneath. Palpi robust, pilose, obliquely ascending, not rising higher than the vertex; third joint elongate-conical. Antennæ smooth fawn-colour; thorax with many blackish hairs. Abdomen extending beyond the hind wings; apical tuft large, pale yellow, dark brown towards the

base. Hind tibiæ incrassated. Wings ample. Fore wings rather obtuse, speckled with black; basal and interior lines black, dentate; submarginal line whitish, zigzag, intersecting a row of black streaks; discal lunule and marginal lunules black; two reddish brown patches hindward, one between the two black lines, the other by the interior angle; exterior border convex, slightly oblique. Hind wings brown, woolly; interior border densely tufted along the basal part. Wings beneath brownish, with a broad blackish submarginal band. Length of the body 11 lines; of the wings 24 lines.

a. Para. Presented by J. P. G. Smith, Esq.

Genus 27. SPARGANIA.

Corpus sat gracile. Palpi caput sat superantes; articulus 3us longus, nudus, spatulatus. Antennæ breves, maris pubescentes. Abdomen sat robustum, maris apice obtusum. Alæ integræ, rotundatæ; anticæ suboblongæ, lineis undulatis dentatis, strigis costalibus nigris; posticæ angustæ, discolores.

Spargania, Guen. *Phal.* ii. 454.

Body rather slender. Palpi extending rather far beyond the head; third joint long, bare, spatulate. Antennæ short, pubescent in the male. Abdomen rather robust, obtuse at the tip in the male. Wings entire, rounded. Fore wings slightly oblong, with undulating and dentate lines and with black costal streaks. Hind wings narrow, differing in colour from the fore wings.

North America.

1. SPARGANIA MAGNOLIATA.

Mas et fœm. *Alba*; *alæ anticæ lineis plurimis nigris undulatis dentatis, striga discali atra; posticæ subcarneo-albæ, lituris vix ullis.*

Spargania magnoliata, Guen. *Phal.* ii. 455, 1653.

Canada.

South America.

2. SPARGANIA ANGUSTARIA.

Lutescente-viridis; *alæ anticæ lineis nonnullis obliquis guttularibus nigris, linea submarginali alba denticulata, strigulis marginalibus nigris; posticæ luteæ, vittis duabus marginalibus nigris.*

Eucosmia angustaria, Herr.-Sch. *Exot. Schm.* pl. 63, f. 356.

Spargania angustaria, Guen. *Phal.* ii. 454, 1650.

Brazil.

3. SPARGANIA PRIVERNARIA.

Fuscescente-viridescens; abdomen e punctis nigris bilineatum; alæ anticæ lineis nonnullis variis albis nigrisque, lineis exteriori et submarginali albis denticulatis, punctis marginalibus nigris; posticæ luteæ, puncto discali nigro, linea marginali fusca excavata.

Larentia privernaria, Herr.-Sch. *Exot. Schm.* pl. 71, f. 408, 409.

Spargania privernaria, Guen. *Phal.* ii. 455, 1651.

Venezuela.

Country unknown.

4. SPARGANIA PROSPICUATA.

Fœm. Olivacea; alæ anticæ spatio medio albo strigam discalem nigram includente, linea exteriori dentata duplicata alba, striga adhuc exteriori atra lituram fulvam emittente, linea marginali alba dentata interrupta, atomis submarginalibus nigris, fimbria intercisâ; posticæ cupreo-flavæ.

Spargania perspicuata, Guen. *Phal.* ii. 455, 1652.

5. SPARGANIA CULTATA.

Fœm. Alba; alæ anticæ basi, spatio marginali lineisque plurimis undulatis subdentatis olivaceo-cinereis, strigis costalibus nigris, atomis subcostalibus flavis, striga discali oblonga atra olivaceo marginata flavo conspersa, linea submarginali, strigis marginalibus; posticæ subfumoso-albæ, lituris nullis.

Spargania cultata, Guen. *Phal.* ii. 455, 1654.

Genus 28. CIDARIA.

Corpus gracile. Proboscis valida. Palpi porrecti, pilosi, rostriformes, caput superantes, plus minusve elongati; articulus 3us conicus. Antennæ filiformes, maris nonnunquam pubescentes. Abdomen maris carinatum, læve, fasaiculis lateralibus parvis, valvulis apicalibus bene determinatis. Pedes graciles, longiusculi; tibiæ posticæ calcaribus quatuor sat longis. Alæ integræ, læves, velutinæ aut sericæ; anticæ acutæ aut subfalcatæ; posticæ rotundatæ, non lituratæ.

Cidaria, *Treit. Schm.* vi. 2, 242; *Dup.*; *Boisd.*; *Guen. Phal.* ii. 456.
Acidalia, p., *Treit.*

Larentia, p., *Treit.*; *Dup.*; *Herr.-Sch.*; *Boisd.*

Eustroma, *Dysstroma*, *Amoebe*, p., *Lygris*, *Euphia*, *Pelurga* et
Chloroclysta, *Hubn. Verz. Schm.* 326, 332, 333, 335.

Euthalia, *Harpalyce*, *Polyphasia*, *Lampropteryx*, *Steganolophia* et
Electra, *Steph.*

Body slender. Proboscis robust. Palpi porrect, pilose, often extending beyond the head and forming a more or less elongated rostrum; third joint conical. Antennæ filiform, occasionally pubescent in the male. Abdomen of the male keeled, smooth, with minute lateral tufts; apical valves much developed. Legs slender, rather long; hind tibiæ with four moderately long spurs. Wings entire, smooth, velvety or silky. Fore wings acute or subfalcate. Hind wings rounded, without the markings of the fore wings.

Europe.

Group 1.

1. CIDARIA PSITTACATA.

Rufescente-viridis; pedes albo annulati; alæ anticæ lineis nonnullis denticulatis nigris, fasciis duabus pallidioribus albido submarginatis, punctis marginalibus nigris; posticæ cinereo-fuscæ.

———, *Geoffr. Ins.* ii. 144. *De Vill. Ent. Linn.* iv. 509.
Geometra psittacata, *Wien. Verz.* 112, 8. *Bork. Eur. Schm.* v. 358, 173. *Ill. N. Ausg. dess.* i. 449, 8; *N. Mag.* ii. 168. *Hubn. Geom.* pl. 43, f. 227. *Haw. Lep. Brit.* 329. *Fisch. Rosl. Schm.* 14.

Phalæna siterata, *Hufn. Berl. Mag.* iv. 5, 522, 39.

Phalæna psittacata, *Fabr. Mant. Ins.* ii. 208, 193; *Ent. Syst.* iii. 2, 195, 238.

Phalæna-Geometra psittacata, *Gmel. ed. Syst. Nat.* i. 5, 2477, 732.

Phalæna luctuata? *Fabr. Ent. Syst.* iii. 2, 195, 239.

Geometra rubroviridata, *Donov. Brit. Ins.* xiv. 485, f. 3.

Larentia psittacata, *Treit. Schm.* vi. 2, 94, 12. *Dup. Lep.* v. 417, pl. 199, f. 5. *Herr.-Sch. Eur. Schm.* iii. 170, 179. *Delah. Schm.* 302.

Chloroclysta psittacata, *Hubn. Verz. Schm.* 332, 3201.

Euthalia psittacata, *Steph. Ill. Brit. Haust.* iii. 253, 2.

Larentia psittacata, *Boisd. Ind.* 207, 1667.

Cidaria psittacata, *Guen. Phal.* ii. 459, 1660.

a—h. England. From Mr. Stephens' collection.

i—k. England.

l, m. Scotland. From Mr. Foxcroft's collection.

n—p. Europe. From M. Becker's collection.

2. CIDARIA MIATA.

Viridis; abdomen cinereum; tarsi nigri, albo annulati; alæ puncto discali punctisque marginalibus nigris; anticæ albo subconspersæ, lineis denticulatis albis nigrisque; posticæ cinereæ, lineis tribus exterioribus diffusis nigro-cinereis.

Phalæna-Geometra miata, Linn. *Syst. Nat.* i. 2, 869, 249; *Faun. Suec.* 1268. Clerck, *Icon.* pl. 8, f. 2. Gmel. *ed. Syst. Nat.* i. 5, 2476, 249.

Phalæna miata, Fabr. *Sp. Ins.* ii. 260, 102; *Mant. Ins.* ii. 202, 149; *Syst. Nat.* iii. 2, 180, 183.

Geometra miata, Wien. *Verz.* 113, 21. Bork. *Eur. Schm.* v. 413, 203. *Esp. Schm.* v. 252, pl. 45, f. 3. *Donov. Brit. Ins.* xiv. pl. 479, f. 3. *Haw. Lep. Brit.* 328.

Geometra coraciata, Hubn. *Geom.* pl. 54, f. 278. *Fisch. Rost. Schm.* 54.

Chloroclysta miata, Hubn. *Verz. Schm.* 332, 3200.

Acidalia coraciata, Treit. *Schm.* vi. 248, 33. *Dup. Lep.* v. 420, pl. 199, f. 6.

Larentia coraciaria, Boisd. *Ind.* 207, 1668.

Cidaria miata, Guen. *Phal.* ii. 460, 1661.

a—j. England. From Mr. Stephens' collection.

k—m. England.

n, o. Scotland. From Mr. Foxcroft's collection.

p. Europe. From M. Becker's collection.

Group 2.

3. CIDARIA PICATA.

Cinereo-fusca; alæ lineis denticulatis; anticæ basi fuscæ, fascia media nigro-fusca extus biangulata strigam discalem atram includente, spatio exteriori albo apud marginem exteriorem cervino nebulis nigricantibus; posticæ fuscæ albide.

Geometra picata, Hubn. *Geom.* pl. 84, f. 435.

Geometra biangulata, Haw. *Lep. Brit.* 326.

Euphia picata, *Hubn. Verz. Schm.* 326, 3152.

Cidaria picata, *Treit. Schm.* vi. 2, 193, 29. *Dup. Lep.* v. 329, pl. 191, f. 4. *Boisd. Ind.* 215, 1777. *Guen. Phal.* ii. 461 1663.

Larentia picaria, *Herr.-Sch. Eur. Schm.* iii. 152, 113.

Harpalyce biangulata, *Steph. Ill. Brit. Haust.* iii. 225, 10.

a—j. England. From Mr. Stephens' collection.

k, l. England.

m—o. England. From Mr. King's collection.

p. Europe. From M. Becker's collection.

4. CIDARIA CORYLATA.

Cinereo-fusca; alæ anticæ fuscae, albo plagiatae, lineis quatuor angulosis albis, fasciis duabus cervinis; posticæ albido-cinereæ, lineis cervinis angulosis indistinctis.

———, *Albin, Ins.* pl. 98?

Geometra corylata, *Thumb, Ins. Suec.* 61, pl. 4. *Bork. Eur. Schm.* v. 198. *Sepp. Schm.* ii. pl. 14, f. 1—7.

Geometra ruptata, *Donov. Brit. Ins.* xiv. pl. 479, f. 2. *Hubn. Geom.* pl. 57, f. 295. *Haw. Lep. Brit.* 327. *Frey, Beitr.* i. pl. 24.

Amoebe ruptata, *Hubn. Verz. Schm.* 333, 3205.

Cidaria ruptata, *Treit. Schm.* vi. 2, 200, 33. *Dup. Lep.* v. 327, pl. 191, f. 6. *Boisd. Ind.* 1570, 33.

Larentia ruptaria, *Herr.-Sch. Eur. Schm.* iii. 172, 190. *Delah. Schm.* 310.

Harpalyce corylata, *Steph. Ill. Brit. Haust.* iii. 227.

Cidaria corylata, *Guen. Phal.* ii. 463, 1670.

Cidaria albocrenata, *Curt. Brit. Ent.* pl. 603.

a—v. England. From Mr. Stephens' collection.

u—x. England. From Mr. Bouchard's collection.

y—cc. England.

dd. Scotland. From Mr. Foxcroft's collection.

ee, ff. Europe. From M. Becker's collection.

5. CIDARIA SAGITTATA.

Rufescens; caput nigricans, vertice albo; abdomen punctis dorsalibus nigris; alæ fimbria nigro guttata; anticæ fascia basali fasciaque media extus valde dentata nonnunquam interrupta nigris albo marginatis, linea submarginali alba dentata strigam emittente antice interrupta; posticæ rufescente-cinereæ.

- , *De Vill. Ent. Linn.* iv. 510.
Phalæna sagittata, *Fabr. Mant. Ins.* ii. 208; *Ent. Syst.* iii. 2, 199, 254.
Phalæna bidentata, *Hufn. Berl. Mag.* iv. 6, 600, 51; *Naturf.* xi. 75, 51.
Geometra comitata, *Wien. Verz.* 112, 3. *Hubn. Geom.* pl. 60, f. 310.
Pelurga sagittata, *Hubn. Verz. Schm.* 335, 3224.
Cidaria sagittata, *Treit. Schm.* vi. 2, 179, 22. *Dup. Lep.* v. 315, pl. 193, f. 5. *Eversm. Faun. Volg.-Ural.* 423. *Boisd. Ind.* 212, 1740. *Guen. Phal.* ii. 464, 1671.
Larentia sagittata, *Herr.-Sch. Eur. Schm.* iii. 171, 182.
a, b. England. Presented by S. Stevens, Esq.
c—e. From Mr. Stevens' collection.
f, g. Europe. From M. Becker's collection.

6. CIDARIA RUSSATA.

Cinereo-fusca; *alæ anticæ lineis nonnullis albis denticulatis, spatio medio albido lituram discalem obliquam nigram includente, basi fasciæque exteriori informi cervinis*; *posticæ cinereæ, lineis duabus albidis indistinctis.*

- , *L'Adm.* pl. 32. *De Vill. Ent. Linn.* ii. 374, 600.
Geometra russata, *Wien. Verz.* 113, 18. *Bork. Eur. Schm.* v. 405, 200. *Ill. N. Ausg. dess.* i. 457, 18. *Hubn. Geom.* pl. 59, f. 305. *Sepp. Schm.* iv. pl. 7, f. 1—6; pl. 8, f. 9. *Frey. Beitr.* iii. 56, pl. 18, f. 1.
Phalæna centumnotata, *Naturf.* vi. pl. 4, f. 4. *Fabr. Ent. Syst.* iii. 2.
Phalæna marmorata? *Fabr. Ent. Syst.* iii. 2, 192, 229.
Phalæna strigulata? *Fabr. Ent. Syst.* iii. 2, 192, 230.
Geometra russata? *Hubn. Geom.* f. 445. *Sepp. Schm.* pl. 8, f. 11?
Geometra centumnotata, *Haw. Lep. Brit.* 324.
Geometra immanata, *Haw. Lep. Brit.* 323, 22.
Geometra marmorata, *Haw. Lep. Brit.* 324.
Geometra perfuscata, *Haw. Lep. Brit.* 325.
Dysstroma russata, *Hubn. Verz. Schm.* 333, 3210.
Cidaria russata, *Treit. Schm.* vi. 2, 189, 27. *Dup. Lep.* v. 324, pl. 193, f. 4. *Boisd. Ind.* 214, 1765.
Larentia russaria, *Herr.-Sch. Eur. Schm.* iii. 172, 189. *Delah. Schm.* 308. *Guen. Phal.* ii. 464, 1673.
Polyphasia centum-notata, *Steph. Ill. Brit. Haust.* iii. 230, 6.
Polyphasia saturata, *Steph. Ill. Brit. Haust.* iii. 231, 7.

Polyphasia immanata, *Steph. Ill. Brit. Haust.* iii. 228, 1.

a—nnn. England. From Mr. Stephens' collection.

ooo, ppp. England. From Mr. Foxcroft's collection.

qqq—yyy. England.

zzz—dddd. Scotland. From Mr. Foxcroft's collection.

eeee—hhhh. Europe. From M. Becker's collection.

iiii. Italy. From Dr. Leach's collection.

jjj—mmm. Trenton Falls, New York. Presented by E. Doubleday, Esq.

nnnn. Orilla, West Canada. From Mr. Bush's collection.

oooo—tttt. Nova Scotia. From Lieut. Redman's collection.

vvvv. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.

Group 3.

7. CIDARIA SUFFUMATA.

Fusca; *abdomen cinereum, maculis dorsalibus trigonis fuscis, segmentis albo marginatis*; *alæ punctis marginalibus nigris*; *anticae fasciis duabus albis dentatis, 1a interfasciata, 2a bilineata, lineolam obliquam apicalem emittente, puncto discali atro*; *anticae cineræ, fuscescente marginatæ.*

———, *Lyon. Ins.* 282, pl. 29, f. 10—16.

Geometra suffumata, *Wien. Verz.* 316, 27. *Hubn. Geom.* pl. 59, f. 306. *Haw. Lep. Brit.* 323.

Eustroma suffumata, *Hubn. Verz. Schm.* 335, 3226.

Cidaria suffumata, *Treit. Schn.* vi. 2, 192, 28. *Dup. Lep.* v. 320, pl. 193, f. 2. *Eversm. Faun. Volg.-Ural.* 425. *Boisd. Ind.* 214, 1764. *Guen. Phal.* ii. 468, 1675.

Lampropteryx suffumata, *Steph. Ill. Brit. Haust.* iii. 234, 1.

Larentia suffumaria, *Herr.-Sch. Eur. Schm.* iii. 169, 174. *Delah. Schm.* 298.

Lampropteryx piceata, *Steph. Ill. Brit. Haust.* iii. 234, 2.

a—o. England. From Mr. Stephens' collection.

p—t. England.

v. Scotland. From Mr. Foxcroft's collection.

u, x. Europe. From M. Becker's collection.

8. CIDARIA SERPENTINATA.

Mas et fœm. *Subolivaceo-fusca; antennæ maris subpectinatæ; alæ anticæ spatio medio latissimo postice coarctato fasciis duabus albis marginato, linea submarginali alba tenuissima dentibus magnis rotundatis, striga pallida subapicali; posticæ cinerascens, fasciola lineolaque submarginali albidis.*

Cidaria serpentinata, Leder. *Lep. Siber.* 31, pl. 6, f. 6. Guen. *Phal.* ii. 469, 1677.

Altai.

9. CIDARIA RETICULATA.

Fusca; alæ anticæ venis lineisque transversis albis, lineis postice approximatis, 2a 3aque subconnexis, 4a tenui, 5a angulata, 6a et 7a lunulatis, 7a antice furcata; posticæ cinereæ, lineis tribus albidis.

———, *De Vill. Ent. Linn.* iv. 506.

Geometra reticulata, Wien. *Verz.* 114, 3. Hubn. *Geom.* pl. 60, f. 308. *Ill. N. Ausg. dess.* i. 464, 3.

Phalæna reticulata, Fabr. *Ent. Syst.* iii. 2, 185, 204.

Eustroma reticulata, Hubn. *Verz. Schm.* 335, 3229.

Cidaria reticulata, Treit. *Schm.* vi. 2, 197, 32. Dup. *Lep. Sup.* 242, pl. 71, f. 4. Eversm. *Faun. Volg.-Ural.* 427. Boisd. *Ind.* 214, 1764.

Larentia reticularia, Herr.-Sch. *Eur. Schm.* iii. 170, 178. Delah. *Schm.* 301.

a, b. Europe. From M. Becker's collection.

10. CIDARIA SILACEATA.

Nigro-fusca; alæ gutta discali elongata nigra, fimbria cinerea fusco notata; anticæ lineis nigris indistinctis denticulatis cinereo marginatis, fasciis duabus e lineis albidis, 1a inferiore bilineata, 2a submarginali quadrilineata, lineis duabus venarum intermediis albidis; posticæ cinereæ, lineis duabus fasciisque intermedia interlineata exterioribus albidis.

Geometra silaceata, Wien. *Verz.* 113, 20. Hubn. *Geom.* pl. 59, f. 477. Haw. *Lep. Brit.* 323. *Ill. N. Ausg. dess.* i. 458, 20; *N. Mag.* ii. 172.

Eustroma silaceata, Hubn. *Verz. Schm.* 335, 3228.

Geometra cuneata, *Donov. Brit. Ins.* xiv. pl. 487, f. 2.

Geometra insulsata, *Haw. Lep. Brit.* 330.

Cidaria silacea, *Treit. Schm.* vi. 2, 197, 31. *Dup. Lep.* v. 322, pl. 193, f. 3. *Boisd. Ind.* 214, 1763.

Harpalyce silacea, *Steph. Ill. Brit. Haust.* iii. 226, 11. *Guen. Phal.* ii. 470, 1680.

Larentia silacearia, *Herr.-Sch. Eur. Schm.* iii. 170, 177. *Delah. Schm.* 300.

Larentia capitaria, *Herr.-Sch. Eur. Schm.* iii. 169, 176, f. 460.

Cidaria balsaminata, *Zell. Bresl. Zeit.* 18. *Frey. Beitr.* pl. 588.

a—f. England. From Mr. Stephens' collection.

g—j. England.

k. Europe. From M. Becker's collection.

l—n. Trenton Falls, New York. Presented by E. Doubleday, Esq.

o. Nova Scotia. From Lieut. Redman's collection.

11. CIDARIA PRUNATA.

Ferruginea; *alæ anticæ nigricante nebulosæ, lineis undulatis nigris, fasciis duabus cervinis dentatis albo marginatis, 2a marginali lunulas nigras albo marginatas includente; posticæ cervino-cinereæ, lineis albidis angulosis fusco submarginatis.*

———, *L'Adm.* pl. 23. *De Vill. Ent. Linn.* ii. 344, 526.

Phalæna-Geometra prunata, *Linn. Syst. Nat.* i. 2, 869, 250; *Faun. Suec.* 1267. *Clerck, Icon.* pl. 7, f. 3. *Gmel. ed. Syst. Nat.* i. 5, 2476, 250.

Phalæna prunata, *Fabr. Sp. Ins.* ii. 259, 97; *Mant. Ins.* 201, 142; *Ent. Syst.* iii. 2, 178, 175.

Geometra prunata, *Sepp. Schm.* i. pl. 5, f. 1—7. *Wien. Verz.* 113, 19. *Bork. Eur. Schm.* v. 407, 201. *Donov. Brit. Ins.* vii. 45, pl. 233, f. 1. *Hubn. Geom.* pl. 59, f. 304. *Haw. Lep. Brit.* 322. *Ill. N. Ausg. dess.* i. 458, 19. *Mull. Zool. Dan. Prodr.* 127, 1464. *Fuessl. Schw. Ins.* 40, 782.

Cidaria prunata, *Treit. Schm.* vi. 2, 194, 30. *Dup. Lep.* v. 317, pl. 193, f. 1. *Guen. Phal.* ii. 472, 1682.

Eustroma prunata, *Hubn. Verz. Schm.* 335, 3227.

Steganolophia prunata, *Steph. Ill. Brit. Haust.* iii. 232, 1.

Cidaria ribesaria, *Boisd. Ind.* 214, 1762.

Larentia ribesaria, *Herr.-Sch. Eur. Schm.* iii. 169, 175. *Delah. Schm.* 299.

a—f. England. From Mr. Stephens' collection.

g, h. England.

i, j. Europe. From M. Becker's collection.

k. ——— ?

Group 4.

12. CIDARIA PYROPATA.

Cinerea ; *thorax ochraceo-cinereus* ; *alæ anticæ subcervino-cinereæ*, *fasciis duabus ochraceis dentatis albo marginatis*, *2a tenui antice dilatata*, *spatio marginali cinereo* ; *posticæ cinereo-albidæ*, *fascia marginali cinerea lineas duas albidas angulosas includente*, *plaga apud angulum interiorem ochracea*.

Geometra pyropata, *Hubn. Geom. pl. 63, f. 329.*

Lygris pyropata, *Hubn. Verz. Schm. 335, 3230.*

Cidaria pyropata, *Treit. Schm. vi. 2, 178, 21. Boisd. Ind. 213, 1741. Dup. Lep. Sup. iv. 41, pl. 54, f. 2. Guen. Phal. ii. 473, 1683.*

Larentia pyroparia, *Herr.-Sch. Eur. Schm. iii. 172, 188.*

South Russia.

13. CIDARIA TESTATA.

Ochracea ; *abdominis latera fasciculata* ; *alæ anticæ lineis quinque flexis saturatoribus albido marginatis*, *spatio marginali ochraceo-cinereo plagam marginalem ochraceum albido marginatam includente* ; *posticæ ochraceo-cinereæ*, *bilineatæ*.

Phalæna-Geometra testata, *Linn. Faun. Suec. 1262.*

Phalæna colorata, *Fabr. Ent. Syst. iii. 2, 177, 172.*

Geometra achatinata, *Hubn. Geom. pl. 58, f. 304. Frey. Beitr. pl. 198, f. 1. Sepp. Schm. vi. pl. 24, f. 1—14.*

Geometra testata, *Haw. Lep. Brit. 342.*

Lygris achatinata, *Hubn. Verz. Schm. 335, 3231.*

Cidaria achatinata, *Treit. Schm. vi. 2, 170, 17. Dup. Lep. v. 311, pl. 192, f. 6. Boisd. Ind. 213, 1742. Guen. Phal. ii. 473, 1684.*

Electra testata, *Steph. Ill. Brit. Haust. iii. 240.*

Electra achatinata, *Steph. Ill. Brit. Haust. iii. 241.*

Larentia achatinaria, *Herr.-Sch. Eur. Schm. iii. 172, 187.*

a—s. England. From Mr. Stephens' collection.

t—aa. England.

bb—ff. Europe. From M. Becker's collection.

14. CIDARIA POPULATA.

Straminea ; *alæ anticæ lineis tribus dentatis strigaeque obliqua apicali fuscis, spatio medio nonnunquam plus minusve ferrugineo, linea submarginali denticulata minus determinata ; posticæ albidæ, margine exteriori stramineo.*

———, *De Vill. Ent. Linn.* ii. 340, 520.

Geometra populata, *Fuessl. Schw. Ins.* 40, 778. *Wien. Verz.* 113, 17. *Bork. Eur. Schm.* v. 401, 197. *Hubn. Geom.* pl. 58, f. 300.

Lygris populata, *Hubn. Verz. Schm.* 335, 3232.

Cidaria populata, *Treit. Schm.* vi. 2, 165, 15. *Dup. Lep.* v. 305, pl. 192, f. 2. *Boisd. Ind.* 213, 1743. *Guen. Phal.* ii. 473, 1685.

Electra populata, *Steph. Ill. Brit. Haust.* iii. 239, 2.

Larentia popularia, *Herr.-Sch. Eur. Schm.* iii. 172, 185. *Delah. Schm.* 305.

a—h. England. From Mr. Stephens' collection.

i—l. England. From Mr. Bouchard's collection.

m—p. England.

q. Scotland. From Mr. Stevens' collection.

r—u. Scotland. From Mr. Dove's collection.

w. Scotland. From Mr. Foxcroft's collection.

x, y. Ireland. From Mr. Bouchard's collection.

z—cc. Europe. From M. Becker's collection.

dd. Switzerland. From Dr. Leach's collection.

15. CIDARIA FULVATA.

Lutea ; *alæ anticæ lineis duabus basalibus undulatis rufescentibus, fascia lata dentata ferruginea nigro marginata antice excavata, nebula marginali rufescente, macula apicali albida ; posticæ albidæ, lutescente marginatæ.*

———, *Forst. Cent. De Vill. Ent. Linn.* ii. 376, 605.

Phalæna cuspidata, *Thunb.*

Phalæna sociata, *Fabr. Sp. Ins.* ii. 265, 136 ; *Mant. Ins.* ii. 209, 207 ; *Ent. Syst.* iii. 2, 198, 253.

Phalæna-Geometra sociata, *Gmel. ed. Syst. Nat.* i. 5, 2482, 758.

Geometra fulvata, *Wien. Verz.* 112, 4. *Ill. N. Ausg. dess.* i. 482, 4. *Bork. Eur. Schm.* v. 371, 179. *Hubn. Beitr.* 4, 26, pl. 4, f. 5 ; *Geom.* pl. 57, f. 297. *Haw. Lep. Brit.* 328.

Euphia fulvata, *Hubn. Verz. Schm.* 336, 3236.

Cidaria fulvata, *Treit. Schm.* vi. 2, 177, 20. *Dup. Lep.* v. 313, pl. 192, f. 5. *Boisd. Ind.* 213, 1747.

Larentia fulvaria, *Herr.-Sch. Eur. Schm.* iii. 171, 183. *Delah. Schm.* 301. *Guen. Phal.* ii. 474, 1686.

Harpalyce fulvata, *Steph. Ill. Brit. Haust.* iii. 221, 1.

a—k. England. From Mr. Stephens' collection.

l. England. From Mr. Foxcroft's collection.

m—q. England.

r—v. Europe. From M. Becker's collection.

16. CIDARIA PYRALIATA.

Straminea ; alæ anticæ lineis tribus subundulatis 4aque punctulari strigaeque obliqua apicali ferrugineis ; posticæ pallidiores.

———, *Albin, Ins.* pl. 45, f. 75. *De Vill. Ent. Linn.* iv. 504.

Phalæna-Geometra populata, *Linn. Syst. Nat.* i. 2, 244. *Clerck, Icon.* pl. 5, f. 13, 14. *Gmel. ed. Syst. Nat.* i. 5, 2473, 244.

Phalæna populata, *Fabr. Sp. Ins.* ii. 258, 92 ; *Mant. Ins.* ii. 200, 136 ; *Ent. Syst.* iii. 2, 176, 168.

Geometra pyraliata, *Wien. Verz.* 117, 1. *Bork. Eur. Schm.* v. 501, 252. *Hubn. Geom.* pl. 58, f. 302. *Frey. Beitr.* pl. 444.

Geometra populata, *Haw. Lep. Brit.* 341.

Cidaria pyraliata, *Treit. Schm.* vi. 2, 182, 23. *Dup. Lep.* v. 309, pl. 192, f. 4. *Boisd. Ind.* 213, 1745. *Guen. Phal.* ii. 474, 1687.

Lygris pyraliata, *Hubn. Verz. Schm.* 335, 3233.

Larentia pyraliata, *Herr.-Sch. Eur. Schm.* iii. 172, 186. *Delah. Schm.* 306.

a—l. England. From Mr. Stephens' collection.

m—o. England.

p—r. Scotland. From Mr. Dove's collection.

s. Scotland. From Mr. Foxcroft's collection.

t—v. Europe. From M. Becker's collection.

17. CIDARIA DOTATA.

Straminea ; alæ fimbria nigro punctata ; anticæ lineis quatuor angulatis ferrugineis, 4a intus nigricante nebulosa, spatio marginali saturatiore costam versus oblique abbreviata lineam submarginalem pallidam angulosam includente ; posticæ apud marginem interiorem bilineatæ.

Phalæna-Geometra dotata, Linn. *Syst.* i. 243. *Clerck*, *Icon.* pl. 5, f. 15.

Geometra bilineata, Sepp. *Schm.* ii. pl. 1, f. 1—7.

Geometra associata, Bork. *Eur. Schm.* v. 189.

Geometra marmorata, Hubn. *Geom.* pl. 54, f. 279.

Geometra spinaciata, Haw. *Lep. Brit.* 341, 76.

Cidaria marmorata, Treit. *Schm.* vi. 2, 172, 18. *Dup. Lep.* v. 307, pl. 192, f. 3. *Boisd. Ind.* 1744, 213.

Euphia marmorata, Hubn. *Verz. Schm.* 336, 3235.

Electra spinachiata, Steph. *Ill. Brit. Haust.* iii. 240, 3.

Cidaria marmorata, Herr.-Sch. *Eur. Schm.* iii. 172, 184.

Cidaria dotata, Guen. *Phal.* ii. 475, 1688.

a—k. England. From Mr. Stephens' collection.

l—n. England. From Mr. King's collection.

o, p. England.

North America.

18. CIDARIA HERSILIATA.

Mas. *C. russatæ affinis, minor*; *alæ anticæ cinerascens, minus acutæ, margine exteriore magis rotundato, fascia interiore lata ferrugineo-fulva marginibus rectis, spatio medio postice coarctato, linea exteriore dentibus nullis elongatis, nebula adhuc exteriore fulva antice dilatata, linea submarginali alba angulosa; posticæ sordide albidæ.*

Cidaria Hersiliata, Guen. *Phal.* ii. 464, 1672, pl. 20, f. 8.

Canada.

19. CIDARIA? LACTISPARGARIA.

Mas. *Pallide fusca; palpi brevissimi; alæ linea alba undulata informi incompleta nigricante notata, punctis marginalibus nigris; anticæ litura discali nigricante, linea interiore nigra undulata.*

Male. Pale brown. Palpi very short. Abdomen and hind wings cinereous, brown-speckled; the former with a compressed apical tuft. Wings with an undulating irregular incomplete blackish-marked white line and with black marginal points. Fore wings with the middle part somewhat darker, with a blackish discal mark and with a black interior irregular undulating line. Length of the body 5 lines; of the wings 13 lines.

Canada. In Mr. D'Urban's collection.

20. CIDARIA MANCIPATA.

Mas. *Flavescens, C. russatæ affinis, minor; alæ anticæ spatio medio nigricante suffuso, linea interiore fracta, linea exteriorē valde angulata, linea submarginali e nebulis ferrugineis, striga subapicali nigra; posticæ rufescente-ochraceæ.*

Cidaria manipata, Guen. Phal. ii. 468, 1674.

California.

21. CIDARIA REMOTATA.

Mas. *Fusca; palpi vix pilosi; antennæ submoniliformes, vix pubescentes; alæ latiusculæ, fimbria cinerea; anticæ strigis nonnullis transversis lineaque submarginali undulata postice angulata albido-cinereis, macula apicali magna nigra; posticæ fuscescente-cinereæ, linea submarginali arcuata albido-cinerea.*

Male. Brown. Palpi stout, hardly pilose; third joint very minute. Antennæ stout, slightly moniliform, hardly pubescent. Wings rather broad; fringe cinereous; under side cinereous, with a blackish discal point and two curved exterior blackish lines. Fore wings acute, with some transverse whitish cinereous streaks, which are broadest on the costa and are attenuated from thence to the disk, where they cease; submarginal line pale cinereous, undulating, acutely angular towards the interior angle; an elongated black spot extending from the tip between the submarginal line and the exterior border, largest on the under side. Hind wings brownish cinereous, with a curved whitish cinereous submarginal line. Length of the body 5 lines; of the wings 14 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.

22. CIDARIA? GIBBICOSTATA.

Pallide fuscescente-cinerea; palpi brevissimi; antennæ læves; alæ amplæ, fimbria albida, nigricante guttata; anticæ acutæ, maculis duabus strigaeque exteriorē costalibus albidis, costa albido conspersa, margine exteriorē sat obliquo.

Pale brownish cinereous. Palpi very short. Antennæ smooth. Wings ample; fringe whitish, with blackish dots; under side transversely black-speckled. Fore wings acute; costa convex towards the base, whitish-speckled, with two whitish spots, beyond which

there is a whitish streak which extends directly from the costa to the disk; exterior border very slightly convex, rather oblique. Hind wings without markings. Length of the body 6 lines; of the wings 18 lines.

a. Orilla, West Canada. From Mr. Bush's collection.

23. CIDARIA DIVERSILINEATA.

Pallide ochracea; alæ anticæ subfalcatae, lineis quinque flexis ferrugineis aut flavis, puncto discali lineolaque apicali obliqua undulata nigricantibus, margine exteriore flexo; posticæ plaga apud angulum purpurascente-cinerea fusco marginata.

Petrophora flava diversilineata, Hubn. Samml. Exot. Schm. 1;

Lep. v.; Geom. Æquivoca, v.; Petrophoræ, B.; Flavæ a, f. 1—4.

Euphia diversilineata, Hubn. Verz. Schm. 336, 3234.

Cidaria diversilineata, Guen. Phal. ii. 475, 1689.

a—g. New York. Presented by E. Doubleday, Esq.

h. Illinois. Presented by E. Doubleday, Esq.

i. Massachusetts. From Prof. Sheppard's collection.

j, k. Orilla, West Canada. From Mr. Bush's collection.

24. CIDARIA PROPULSATA.

Mas et fœm. Pallide ochracea; palpi longi, fimbriati; antennæ maris robustæ, pubescentes; alæ anticæ subfalcatae, fasciis tribus obscurioribus angulatis cervino aut fusco marginatis nonnunquam cervino ex parte nebulosis, plaga marginali antica obscura; posticæ albidæ, margine exteriore sub-ochraceo.

Male and female. Pale ochraceous. Palpi prominent, fringed, as long as the breadth of the head; third joint elongate-conical. Antennæ of the male stout, pubescent. Fore wings acute, subfalcate, with three darker ochraceous angular bands, which have fawn-coloured or brown borders, and are sometimes partly shaded with fawn-colour; an elongated darker ochraceous patch along the fore part of the exterior border; exterior border slightly convex and oblique. Hind wings whitish, with an ochraceous tinge along the exterior border. Length of the body 6—7 lines; of the wings 16—18 lines.

a—c. Newfoundland. Presented by W. C. St. John, Esq.

d. Nova Scotia. From Lieut. Redman's collection.

e. Orilla, West Canada. From Mr. Bush's collection.

f—i. New York. Presented by E. Doubleday, Esq.

25. CIDARIA MOLLICULATA.

Fœm. Ochracea; palpi disjuncti, capitis latitudine vix breviores; alæ anticæ acutæ, lineis tribus obscurioribus flexis albido marginatis, linea submarginali albida informi, plaga marginali saturate ochracea; posticæ pallide ochraceæ, lineis duabus exterioribus indistinctis pallide cinereis.

Female. Ochraceous. Palpi apart from each other, nearly as long as the breadth of the head; third joint conical, minute. Wings ample. Fore wings acute, not falcate, with three darker irregularly bent whitish-bordered lines; submarginal line whitish, irregular, limiting in front a deep ochraceous marginal patch; costa and exterior border slightly convex; the latter moderately oblique. Hind wings pale ochraceous, with two indistinct pale cinereous lines towards the exterior border. Length of the body 5 lines; of the wings 16 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.

26. CIDARIA GRACILINEATA.

Fœm. Ochraceo-flava, C. diversilineatæ valde affinis, major; alæ saturatiores, subdentatæ, lineis nigris, spatio medio latiore punctum discalæ nigrum emittente, spatio marginali subcarneo; posticæ litura apud angulum interiorem incarnata longiore rufo antice marginata.

Cidaria gracilineata, Guen. Phal. ii. 476, 1690, pl. 2, f. 8 (larva).

North America.

South America.

27. CIDARIA JACINTHARIA.

Var.? *Mas. Pallide cervina; palpi erecti, verticem non superantes; antennæ vix pubescentes; abdomen nigro bipunctatum; alæ anticæ elongatæ, acutæ, viridescente variæ, ex maxima parte nigricante variæ, lineis interiore et exteriori atris dentatis, hac flexa extus albido marginata, linea submarginali cinerea angulosa, macula costati transversa magna alba; posticæ sordide albidæ, plaga apicali nigricante.*

Encosmia combustaria, Herr.-Sch. Exot. Schm. pl. 63, f. 355.

Cidaria jacintharia, Guen. Phal. ii. 458, 1655, pl. 12, f. 2.

Var.? *Male*. Pale fawn-colour. Palpi directly ascending, not rising higher than the vertex; third joint acutely conical. Antennæ hardly pubescent. Abdomen with minute tufts along each side; fourth and fifth segments with a black point on each of their fore borders. Fore wings elongate, acute, tinged with dull green in part of the disk and along the exterior border, blackish shaded from near the base to the exterior line; the latter is deep black, dentate, undulating, very prominent in the middle, whitish-bordered on the outer side; interior line deep black, slightly denticulated; submarginal line cinereous, zigzag; some other indistinct black lines; marginal dots black; a large transverse white costal spot between the interior and exterior lines; fringe with blackish marks. Hind wings dingy whitish, with a blackish apical patch. Wings beneath whitish, with some black markings, which chiefly consist of a marginal band on the hind wings, and with two patches in front on the fore wings, the second patch excavated by an apical whitish spot. Length of the body $6\frac{1}{2}$ lines; of the wings 18 lines.

a. Brazil. From M. Becker's collection.

28. CIDARIA MÆRARIA.

Mas. *Rufescente-fusca; antennæ pubescentes; alæ anticæ acutæ, viridi muscoso variæ, spatio medio marginibus obscurioribus, linea exteriori sinuata dentata; posticæ fumoso-fuscæ, plica apud marginem interiorem penicillum album includente.*

Cidaria mærarìa, *Guen. Phal.* ii. 458, 1656.

Brazil?

29. CIDARIA SUBGUTTARIA.

Viridis; alæ elongatæ; anticæ nigro-fuscæ, lineis (nonnullis interruptis) denticulatis viridibus, fascia exteriori angusta undulata carnea intus albo marginata, linea submarginali strigaeque obliqua apicali albis, macula subtus magna discali exteriori alba; posticæ nigricantes.

Larentia subguttaria, *Moriz, Herr.-Sch. Exot. Schm.* pl. 71, f. 406, 407.

Cidaria subguttaria, *Guen. Phal.* ii. 458, 1657.

Venezuela.

30. CIDARIA FRONDOSATA.

Mas et fœm. *Muscoso-viridis; abdomen punctis nigricantibus trilineatum; alæ anticæ trigonæ, productæ, acutæ, lineis plurimis undatis dentatis saturatioribus et nigricantibus, striga discali nigra, linea submarginali pallida denticulata interrupta; posticæ nigro-cinereæ.*

Cidaria frondosata, Guen. *Phal.* ii. 459, 1658.

Brazil. Colombia.

31. CIDARIA PROBATARIA.

Viridis; abdomen e punctis nigris bilineatum; alæ elongatæ; anticæ nigro-fuscæ, lineis quatuor viridibus arcuatis denticulatis, gutta discali nigra elongata, striga apicali obliqua rufescente, fimbria nigro punctata; posticæ fuscæ.

Hammaptera probataria, Herr.-Sch. *Exot. Schm.* pl. 71, f. 404, 405.

Cidaria probataria, Guen. *Phal.* ii. 459, 1659.

Venezuela.

32. CIDARIA JUGURTHARIA.

Mas. *Magna, C. picatæ affinis; antennæ pubescentes; alæ anticæ basi discoque olivaceo fuscoque saturato variis, lineis plurimis, spatio exteriori ochraceo-albo viridi tincto, linea exteriori dentata sinuata, umbris marginalibus; posticæ ochraceo-albæ, basi subcinereæ, puncto discali lineisque duabus indistinctis.*

Cidaria Jugurtharia, Guen. *Phal.* ii. 460, 1662.

Colombia.

33. CIDARIA PIPIATA.

Mas. *C. picatæ affinis; alæ anticæ angustiores, spatio medio nigro-viridi punctum discalæ magnum includente, spatio interiore pallide viridi lineis nigris interruptis, spatio exteriori albo non lineato angulum usque ad marginem exterioriorem emittente; posticæ cinereæ.*

Cidaria pipiata, Guen. *Phal.* ii. 461, 1664.

Colombia.

34. CIDARIA EMBERIZATA.

Mas. *Viridis*; antennæ pubescentes; alæ anticæ extus viridescente-albæ, macula antica quadrata saturatiore lineam submarginalem includente; posticæ angustæ, ochraceo-albæ, lituris nullis.
Fœm.—Alæ posticæ punctis marginalibus duplicatis.

Cidaria emberizata, Guen. *Phal.* ii. 461, 1665.

Brazil.

35. CIDARIA FRINGILLATA.

Mas. *Fusco-cinerea*; antennæ filiformes; alæ anticæ viridescente variæ, dimidio basali saturatiore, linea exteriori sinuata bidentata albo marginata, spatio exteriori ex parte viridescente-cinereo et sordide carneo, litura discali nigra, striga antica glauco-alba, linea submarginali determinata, punctis marginalibus nigris duplicatis; posticæ albæ, cinereo marginatæ.

Cidaria fringillata, Guen. *Phal.* ii. 462, 1666.

Brazil.

36. CIDARIA CONTINUATA.

Fœm. *Nigra*; palpi graciles, articulo 3o longo spatulato; alæ anticæ olivaceo et flavescente variæ, fascia media lata saturatiore dentata albo marginata postice retracta, fasciola exteriori ochracea, linea submarginali dentibus rotundatis; posticæ nigricantes; quatuor subtus vinoso-roseæ, lituris nigricantibus.

Cidaria continuata, Guen. *Phal.* ii. 460, 1668.

Colombia.

37. CIDARIA REMISSATA.

Fœm. *Cinereo-cervina*; palpi brevissimi; antennæ validæ; alæ punctis marginalibus nigris elongatis; anticæ elongatæ, fusco subconsperse, fascia media ferruginea latissima antice dilatata extus subundulata, fascia angusta interiori lineisque exterioribus indistinctis ferrugineis, linea submarginali albida angulosa ferrugineo punctata.

Female. Cinereous fawn-colour. Palpi very short. Antennæ stout. Wings with elongated black marginal points. Fore wings

elongate, slightly brown-speckled; middle band ferruginous, very broad, much dilated in front, slightly undulating on the outer side, where there are a few indistinct ferruginous lines; a narrow ferruginous band near the base; submarginal line whitish, zigzag, accompanied by ferruginous points; exterior border very oblique. Length of the body 5 lines; of the wings 16 lines.

a. Venezuela. From Mr. Dyson's collection.

38. CIDARIA EXTENSATA.

Testaceo-cinerea; alæ elongatæ, subconspersæ, punctis submarginalibus nigris; anticæ acutæ, valde productæ, fasciis quatuor deviis fuscis nigro marginatis, 2a 3aque connexis, 4a valde incompleta lineam submarginalem pallidam denticulatam includente; posticæ non lineatæ.

Testaceous-cinereous. Head wanting. Hind tibiæ with four long spurs. Wings elongate, slightly and minutely speckled; marginal points black. Fore wings acute, much produced, with four irregular brown black-bordered bands; second and third bands connected in the middle; fourth very incomplete, including the pale denticulated submarginal line, which is most apparent in front; exterior border very oblique. Hind wings without lines. Length of the body 6 lines; of the wings 18 lines.

This species resembles *C. Bogotata* in structure.

a. Bogota. From Mr. Stevens' collection.

39. CIDARIA INSTIPATA.

Mas. *Fuscescente-cinerea; antennæ subpubescentes; alæ anticæ nigro conspersæ, spatio basali fuscescente, fascia media fusca postice cinereo guttata antice dilatata et maculam magnam fusco-cineream includente, lineis tribus exterioribus fuscis, spatio marginali ex parte fusco, linea submarginali alba denticulata, punctis submarginalibus lunulisque marginalibus nigris.*

Male. Brownish cinereous. Antennæ rather stout, minutely pubescent. Fore wings minutely black-speckled; a brown tinge extending from near the base to the inner side of the middle darker brown band, which contains some cinereous dots hindward and is much dilated in front, where it contains a large elongated brownish

cinereous spot; this band is bordered on each side by a black line, which is slender hindward and broad in front; the outer line is accompanied by an approximate parallel brown line, beyond which there is a double denticulated brown line; marginal space partly shaded with brown; submarginal line white, denticulated, most conspicuous in front, accompanied by black points; marginal lunules black, like those of the hind wings, which have a black discal point and an exterior line of blackish points on the under side. Length of the body 5 lines; of the wings 15 lines.

Brazil.

a, b. Venezuela. From Mr. Dyson's collection.

40. CIDARIA CONGLOMERATA.

Fœm. *Albida; palpi nigro bifasciati; abdomen subcristatum; alæ anticæ atomis fuscis confluentibus, spatio medio albido lineas fuscas denticulatas includente, lineis quatuor ochraceis, linea submarginali alba denticulata, guttis costalibus, gutta obliqua discali lituris submarginalibus punctisque marginalibus nigris, fimbria nigro guttata; posticæ pallide cinereæ, lineis duabus cinereis indistinctis denticulatis.*

Female. Whitish. Body indistinctly ochraceous-tinged. Palpi with two black bands. Abdomen slightly crested. Fore wings with brown speckles, which are confluent, except in the middle part; the latter contains some brown denticulated lines; four irregular ochraceous lines; submarginal line white, denticulated; costal dots, oblique discal dot, irregular submarginal marks, marginal points and dots on the fringe black. Hind wings pale cinereous, with two indistinct denticulated cinereous lines; marginal points brown. Length of the body 5 lines; of the wings 16 lines.

Brazil.

a. Venezuela. From Mr. Dyson's collection.

41. CIDARIA BOGOTATA.

Mas. *Albida; caput et thorax fusca; alæ anticæ testaceo tinctæ, nigro subconsperse, basi obscure fusce, fascia lata obscure fusca albo marginata antice dilatata strigam albidam obliquam costam versus trifurcatam includente, spatio marginali ex parte fusco, maculis tribus marginalibus posticis elongatis obscure fuscis albo marginatis, costa nigro notata; posticæ cinereæ, puncto discali fusco.*

Male. Whitish. Head and thorax brown. Wings ample; marginal lunules black. Fore wings testaceous-tinged, thinly black-speckled; basal space dark brown; a broad dark brown white-bordered exterior band, which is very much dilated in front, where it is obliquely intersected by a whitish streak, the latter trifurcate on the costa; some traces of two brown lines between the band and the basal part; marginal part shaded with brown, in which there are three elongated dark brown white-bordered spots; costa slightly convex, black-marked; exterior border very oblique. Hind wings cinereous, with a brown discal point. Length of the body 6 lines; of the wings 18 lines.

a. Bogota. From Mr. Stevens' collection.

42. CIDARIA PERSPICUATA.

Rufescente-cinerea; palpi brevissimi, oblique ascendentes; antennæ robustæ, læves; alæ punctis marginalibus nigris; anticæ lineis nonnullis denticulatis nigricantibus aut fuscis, fascia media fusca nigro albedoque marginata extus flexa antice furcata strigamque nigram includente, spatio exteriori pallido, spatio marginali fuscescente antice fusco lineam submarginalem albidam denticulatam includente; posticæ albidæ.

Reddish cinereous. Palpi very short, obliquely ascending. Antennæ stout, smooth. Wings with black marginal points. Fore wings with some transverse blackish or brown denticulated lines, and with a brown middle band, which is bordered with black and whitish, and is flexuous on the outer side, and is forked in front, where it contains a black discal streak; exterior space paler than the wings elsewhere; marginal space brown in front, brownish hindward, including the whitish denticulated submarginal line. Hind wings whitish. Length of the body 5 lines; of the wings 14 lines.

Brazil. In Mr. Saunders' collection.

43. CIDARIA PATULATA.

Fœm. Ferruginea; palpi disjuncti; alæ anticæ valde elongatæ, fasciis duabus obscurioribus subundulatis nigro marginatis, 2a interlineata, spatio exteriori cinereo fascias duas ferrugineas nigro marginatas plus minusve interruptas, includente lineis duabus angulosis pallide cinereis, 2a submarginali; posticæ nigricante-cinereæ.

Female. Ferruginous. Palpi separate, extending somewhat beyond the head; third joint minute, conical. Abdomen and hind wings cinereous. Wings with black marginal points. Fore wings much elongated, with two darker slightly undulating black-bordered bands; second band interior, interlined, broader than the first, which is near the base; space from the second band to the exterior border cinereous, including two irregular ferruginous black-bordered bands, which are more or less interrupted, and have between them a pale cinereous black-pointed zigzag line; submarginal line slightly zigzag, pale cinereous, tinged with ferruginous; discal dot blackish, sometimes accompanied by an exterior line of black points; exterior border convex, very oblique. Hind wings blackish cinereous. Length of the body 6 lines; of the wings 18 lines.

Rio Janeiro. In Mr. Fry's collection.

44. CIDARIA EDUCTATA.

Albido-cinerea; alæ punctis marginalibus nigris elongatis; antica elongatæ, vix acutæ, fasciis duabus fuscis, 1a basali angusta, 2a lata, spatio marginali antico fusco, linea submarginali albida denticulata; posticæ puncto discali lineaque submarginali obscuris valde indistinctis.

Whitish cinereous. Wings with black elongated marginal points. Fore wings elongated, hardly acute, with a narrow brown band near the base, and with a broad brown middle band, which is interlined with black and is straight along the inner side, but somewhat angular and undulating along the outer side; marginal space brown in front, where it includes the whitish submarginal denticulated line; discal point black, elongated; exterior border hardly convex, very oblique. Hind wings with a dark discal point and with a dark submarginal line, both very indistinct. Length of the body 5 lines; of the wings 16 lines.

Rio Janeiro. In Mr. Fry's collection.

45. CIDARIA INTERCALATA.

Fœm. Pallide cinereo-cervina; palpi breves, lati; alæ punctis marginalibus nigris; antica vix acutæ, viridescente subinctæ, fasciis tribus fuscescentibus denticulatis nigro marginatis, linea exterior subundulata spatioque marginali ex parte ferrugineis, linea submarginali cinerea angulosa; posticæ pallide cinereæ, fascia marginali fuscescente.

Female. Pale cinereous fawn-colour. Palpi short, broad. Wings with black marginal points. Fore wings hardly acute, here and there with an indistinct greenish tinge; three brownish bands, which are enclosed by black denticulated lines; first and second bands interior; third exterior; a more exterior slightly undulating line and some parts of the marginal space ferruginous; submarginal line cinereous, zigzag; exterior border hardly convex, slightly oblique. Hind wings pale cinereous, with a brownish marginal band, in which there are indications of the submarginal line. Length of the body 4 lines; of the wings 14 lines.

Brazil. In Mr. Saunders' collection.

46. CIDARIA VIRIDIFUSATA.

Fœm. *Cinereo-cervina*; palpi breves; antennæ sat validæ; alæ anticæ sat elongatæ, vix acutæ, glauco-viridi suffusæ, lineis nonnullis denticulatis nigris, plagis tribus marginalibus fuscis, linea submarginali albida angulosa ex parte obsoleta, linea marginali nigra interrupta; margine exteriore sat obliquo; posticæ albidæ, margine interiore fimbriato pallide cervino.

Female. Cinereous fawn-colour. Palpi short. Antennæ rather stout. Fore wings somewhat elongate, hardly acute, mostly overspread with dull glaucous-green; a few irregular denticulated black lines, which are most distinct on the costa; three brown patches along the exterior border; submarginal line whitish, zigzag, partly obliterated; marginal line black, interrupted; exterior border slightly convex, rather oblique. Hind wings whitish, tinged with pale fawn-colour along the interior border, which is fringed with long hairs. Length of the body 6 lines; of the wings 16 lines.

a. Venezuela. From Mr. Dyson's collection.

Africa.

47. CIDARIA POSEATA.

Mas. *Viridis*; thorax fusco varius; abdomen testaceum; alæ anticæ fasciis quatuor undulatis fuscis albo submarginatis, 1a 2aque antemediis, 3a 4aque postmediis, 4a incompleta; posticæ flavescens-albæ, lineis vix ullis.

Amoebe poseata (*Geometra æquivoca*, *Petrophora varia*), *Geyer*, *Zutr. Samml. Exot. Schmelt.* v. 46, 500, f. 999; 1000.

Cidaria poseata, *Guen. Phal.* ii. 462, 1667.

South Africa.

48. CIDARIA MERIDIONATA.

Fœm. *Fusca*; *palpi pilosi, rostriformes*; *alæ latiusculæ*; *anticæ vix acutæ, lineis nonnullis nigricantibus denticulatis indistinctis, costa basi subconvexa*; *posticæ lituris nullis.*

Female. Brown. Palpi pilose, acute, rostriform, shorter than the breadth of the head. Wings rather broad. Fore wings hardly acute; basal space and exterior space with some indistinct blackish denticulated lines; costa slightly convex towards the base; exterior border slightly convex, moderately oblique. Hind wings without markings. Length of the body 5 lines; of the wings 16 lines.

a. South Africa. Presented by Sir A. Smith.

49. CIDARIA PUDICATA.

Mas et fœm. *Saturate roseo-rufa*; *palpi lati, disjuncti, brevissimi*; *antennæ maris validæ, læves*; *alæ elongatæ*; *anticæ vix acutæ, lineis tribus obliquis subparallelis e punctis albidis, fimbria schistacea nitente*; *posticæ ochraceæ, linea marginali saturate roseo-rufa.*

Male and female. Deep rosy red. Palpi broad, very short, apart from each other; third joint extremely small. Antennæ of the male stout, simple. Wings elongate. Fore wings hardly acute, with three oblique nearly parallel lines of whitish points; first and second lines interior; third line exterior; fringe slaty, shining; exterior border very oblique. Hind wings ochraceous, with a marginal deep rosy red line; fringe slaty towards the tip. Length of the body 5 lines; of the wings 14 lines.

a. South Africa. From Mr. Trimen's collection.

b—g. South Africa. Presented by R. Trimen, Esq.

h. Cape. From M. Dregé's collection.

i. South Africa. Presented by Sir A. Smith.

50. CIDARIA LATICINCTATA.

Fœm. *Cervina*; *palpi breves, lati, pilosi, rostriformes, subdecumbentes*; *alæ anticæ acutæ, ferrugineo conspersæ, lineis duabus nigris, 1a angulata, 2a denticulata angulum acutum extus emittente, punctis marginalibus nigris, costa subconvexa*; *posticæ albidæ, gutta discali fasciæque submarginali fuscis.*

Female. Fawn-colour. Palpi broad, short, pilose, rostriform, slightly decumbent. Wings beneath whitish, with a brown discal

dot and a broad brown submarginal band. Fore wings acute, ferruginous-speckled; interior and exterior lines black, slender; the former angular; the latter denticulate and with a prominent acute outward angle; marginal points black; costa and exterior border slightly convex, the latter slightly oblique. Hind wings alike above and beneath. Length of the body 5 lines; of the wings 14 lines.

a. South Africa. Presented by Sir A. Smith.

51. CIDARIA DESPECTATA.

Mas. *Cinereo-cervina*; *palpi breves, lati, rostriformes*; *antennæ setulosæ*; *alæ anticæ elongatæ, acutæ, ferrugineo conspersæ, lineis duabus interioribus rectis obliquis parallelis, puncto discali, linea exteriori flexa punctisque marginalibus nigris, linea submarginali vix conspicua*; *posticæ subcervino-cinereæ*.

Male. Cinereous fawn-colour. Palpi broad, short, rostriform. Antennæ setulose. Fore wings elongate, acute, with ferruginous speckles, which are confluent along the outer side of two interior straight oblique parallel black lines; discal point and exterior line black, the latter much bent; a blackish mark near the exterior border; marginal points black; submarginal line very indistinct; exterior border slightly convex, rather oblique. Hind wings cinereous, with a slight fawn-coloured tinge. Length of the body 4 lines; of the wings 12 lines.

a. South Africa. Presented by Sir A. Smith.

52. CIDARIA ASPERSATA.

Mas. *Cinereo-cervina*; *palpi lati, breves, acuti, fimbriati*; *antennæ validæ, subpubescentes*; *alæ anticæ vix acutæ, fasciis tribus latis obscure fuscis, 2a extus recta obliqua, 3a exteriori antice dilatata et biangulata, plaga apicali fusca, margine exteriori sat obliquo*.

Male. Cinereous fawn-colour. Palpi broad, fringed, shorter than the breadth of the head; third joint conical, acute. Antennæ stout, minutely pubescent. Fore wings hardly acute, with three broad dark brown bands; first band basal; second interior, with a straight oblique exterior border; third exterior, dilated in front on its outer side, where it forms two prominent angles; a brown apical patch separated by a slender line from the exterior band; exterior border slightly convex, rather oblique. Length of the body $5\frac{1}{2}$ lines; of the wings 15 lines.

a. South Africa. Presented by Sir A. Smith.

53. CIDARIA PENETRATA.

Obscure cervina; palpi breves, lati, rostriformes; alæ punctis marginalibus nigris; anticæ acutæ, lineis denticulatis nigris, spatio medio latissimo nigricante-fusco denticulato extus albo marginato, plagis tribus exterioribus nigricante-fuscis, linea submarginali pallide cinerea denticulata indistincta, striga apicali lata albida obliqua; posticæ cinereæ, lineis nonnullis indistinctis fuscescentibus denticulatis.

Dark fawn-colour, cinereous beneath. Palpi short, broad, rostriform. Wings with black marginal points. Fore wings acute, with several black denticulated lines; middle space blackish brown, very broad, with denticulated borders, with a white line along its outer side, which is prominent in the middle; an exterior band indicated by three blackish brown patches; submarginal line pale cinereous, denticulated, mostly indistinct; a broad whitish oblique irregular apical streak; exterior border slightly convex, rather oblique. Hind wings cinereous, with some brownish indistinct exterior denticulated lines. Length of the body 5 lines; of the wings 14 lines.

a. South Africa. Presented by Sir A. Smith.

54. CIDARIA SMARAGDINATA.

Mas. Smaragdino-viridis, subtus nigricante-cinerei; palpi breves, lati, rostriformes; antennæ validæ, vix serratæ, fasciis quatuor nigris valde excavatis, 1a basali, 2a albo marginata, 4a informi intus albo marginata, striga discali lata nigra, fimbria nigro guttata; posticæ cinereæ, extus obscuriores.

Male. Emerald-green, blackish cinereous beneath. Palpi short, broad, rostriform. Antennæ stout, very minutely serrated. Fore wings elongate, hardly acute, with four irregular and much excavated black bands; first band basal; second bordered with white on both sides; third containing a broad black streak; fourth bordered with white on the inner side, extending in patches to the border; fringe with black dots; exterior border hardly convex, very oblique. Hind wings cinereous, darker towards the exterior border; marginal line black. Length of the body 3 lines; of the wings 10 lines.

a. South Africa. From Mr. Trimen's collection.

Isle Bourbon.

55. CIDARIA BORBONICATA.

Mas. *C. suffumatae valde affinis; alae anticae paullo acutiores, linea interiore dentibus nullis pallidis, linea exteriori minus sinuata, linea submarginali subinterrupta non maculari; posticae linea media rotundata non flexa.*

Cidaria Borbonicata, Guen. Phal. ii. 469, 1676.

Isle Bourbon.

Asia.

56. CIDARIA INTERPLAGATA.

Cinerea; humeri nigro-fusci; abdomen punctis nigro-fuscis bilineatum; alae punctis marginalibus nigris; anticae acutae, basi et apud costam nigro-fuscae, lineis fasciisque transversis venisque albidis; posticae lineis indistinctis denticulatis fuscescentibus, linea submarginali albida guttulari.

Cidaria interplagata, Guen. Phal. ii. 461, 1669.

a. North Hindostan. Presented by Major Parry.

57. CIDARIA OBLONGATA.

Var. ? Fœm. *Fusca; alae anticae lineis plurimis albis in plagam posticam luteo-albam ex parte cervinam convenientibus, linea marginali nigra interrupta, fimbria albo uninotata; posticae pallide cinereae, puncto discali obscuriore, lineis duabus exterioribus arcuatis albidis.*

Cidaria oblongata, Guen. Phal. ii. 472, 1681.

Hindostan.

Var. ? Female. Brown. Palpi rostriform, acute, whitish above. Abdominal segments with whitish hind borders. Fore wings acute, elongate, with numerous white transverse lines, which converge irregularly to a luteous-white partly fawn-coloured patch about the interior angle; marginal line black, thrice interrupted hindward; fringe with a white mark a little behind the middle; exterior border very slightly convex, rather oblique. Hind wings pale cinereous, with a darker discal point and with two curved whitish

exterior lines; marginal line brown, white-bordered on the inner side. Length of the body 5 lines; of the wings 16 lines.

a. North Hindostan. Presented by the Secretary of the India Board.

58. CIDARIA SUBSEPARATA.

Mas. *Fusca; palpi breves, pilosi; antennæ late pectinatæ, apice simplices; alæ anticæ elongatæ, fusco conspersæ, fascia lata nigro-fusca, spatio marginali nebulis nigro-fuscis lineam submarginalem albidam denticulatam includentibus.*

Male. Brown. Palpi short, pilose; third joint conical, very minute. Antennæ broadly pectinated, except towards the tips. Abdomen and hind wings pale cinereous. Legs smooth; spurs long. Fore wings elongate, brown-speckled, hardly acute, with a broad blackish brown band which is broadest in front and has undulating borders; marginal space partly clouded with blackish brown; submarginal line whitish, denticulated, hardly apparent except towards the costa. Length of the body $5\frac{1}{2}$ lines; of the wings 16 lines.

This species has much resemblance to *C. instipata*, but may be distinguished by the difference in the markings.

a. South Hindostan. Presented by M. J. Walhouse, Esq.

59. CIDARIA INSPURCATA.

Fœm. *Obscure fusca; palpi pilosi, brevissimi; alæ anticæ cinereo conspersæ, nigro ex parte nebulosæ, lineis duabus albidis duplicatis denticulatis, lineis duabus intermediis nigris, linea submarginali albida denticulata, striga discali nigra; posticæ cinereæ, puncto discali lineisque duabus exterioribus punctularibus nigricantibus.*

Female. Dark brown. Palpi pilose, very short; third joint very minute. Abdomen and hind wings cinereous. Wings with black marginal points. Fore wings hardly acute, speckled with cinereous, partly shaded with black; interior and exterior lines whitish, double, denticulated, having between them two irregular black lines; submarginal line whitish, denticulated, here and there indistinct; discal streak black, transverse; exterior border rather oblique. Hind wings cinereous; discal point and two exterior

lines of points blackish, black and more distinct on the under side. Length of the body 5 lines; of the wings 16 lines.

a. South Hindostan. Presented by M. J. Walhouse, Esq.

60. CIDARIA AMPLICATA.

Fœm. *Fusca*; *palpi lati, brevissimi*; *pedes læves, longi, graciles*; *alæ amplæ*; *anticæ subfalcatae, lineis nonnullis cinereis diffusis dentatis, lineis exteriore et submarginali plagaque costali transversa albis*; *posticæ pallide fuscæ, antice albæ.*

Female. Brown, whitish beneath. Palpi broad, extending very little beyond the head. Legs smooth, long, slender. Wings ample. Fore wings acute, slightly falcate, with several diffuse dentate cinereous lines; exterior and submarginal lines white; a white elongated patch extending from the middle of the costa to the disk; exterior border almost straight, very oblique. Hind wings pale brown, whitish in front. Length of the body 7 lines; of the wings 20 lines.

Hindostan. In Mr. Saunders' collection.

61. CIDARIA PALPATA.

Mas. *Cinereo-viridis*; *palpi compressi, subfimbriati, valde elongati*; *antennæ glabræ, breviusculæ*; *abdomen nigro subcristatum*; *alæ anticæ fasciis tribus ferrugineis nigro marginatis, 3a extus albido marginata, punctis exterioribus nigris, spatio marginali ferrugineo lineam submarginalem albidam denticulatam includente*; *posticæ cinereæ, vix lineatæ.*

Male. Cinereous-green. Palpi compressed, slightly fringed, fully as long as the breadth of the head; third joint elongate-conical. Antennæ smooth, rather short. Wings with a black marginal line and with blackish points on the fringe. Abdomen with minute black crests. Fore wings hardly acute, with three ferruginous irregular black-bordered bands; third band whitish-bordered on the outer side, beyond which there are some black points; marginal space ferruginous, including the whitish denticulated submarginal line. Hind wings cinereous, with some almost obsolete lines; submarginal line indistinct, diffusedly bordered on the inner side with pale brown. Length of the body 4 lines; of the wings 10 lines.

a, b. South Hindostan. Presented by M. J. Walhouse, Esq.

Australia.

62. CIDARIA INTERRUPTATA.

Rufescente-fusca; alæ fimbria pallida nigricante punctata; anticæ fasciis duabus indeterminatis e lineis albis, 1a angulum valde productum emittente, striga apicali obliqua alba; posticæ testaceæ, lineis fuscis non dentatis.

Cidaria interruptata, Guen. *Phal.* ii. 469, 1678, pl. 9, f. 6.

Australia.

Var.? Fœm. *Albida; palpi porrecti, breves, disjuncti, fimbriati; alæ lunulis marginalibus nigris; anticæ acutæ, nigro subconspersæ, fasciis duabus interioribus fuscis, 2a valde interrupta, spatio medio lato fusco marginibus nigris postice interrupto extus angulato, linea exteriori fasciaque adhuc exteriori bis interrupta fuscis, linea submarginali albida undulata, striga apicali obliqua alba; posticæ subdentatæ, lineis fuscescentibus denticulatis indistinctis.*

Var.? Female. Whitish. Palpi porrect, fringed, apart from each other, much shorter than the breadth of the head; third joint very minute. Thorax brown-speckled. Wings with black marginal lunules. Fore wings acute, slightly and partly black-speckled; two brown bands near the base, the second one very incomplete; middle space broad, brown, black-bordered and containing a black streak, interrupted hindward and emitting a prominent angle on the outer side, which is nearly parallel to an exterior brown line, the latter being succeeded by a twice-interrupted brown band; submarginal line whitish, undulating, dividing the above band from the pale brown marginal space, which is intersected by an oblique white apical streak; exterior border nearly straight, rather oblique. Hind wings with some brownish indistinct denticulated lines; submarginal line white; exterior border slightly dentate. Length of the body 5 lines; of the wings 14 lines.

Tasmania. In Mr. Saunders' collection.

63. CIDARIA CONSTIPATA.

Mas et fœm. *Cinereo-fusca; palpi breves, lati; alæ anticæ acutæ, lineis nonnullis denticulatis, fascia interiori, puncto discali elongato lunulisque marginalibus nigris, lineis tribus albo marginatis; posticæ obscure cervinæ, lineis fuscescentibus denticulatis indistinctis, margine exteriori subdentato.*

Male and female. Cinereous-brown. Palpi short, broad. Fore wings acute, with several black denticulated lines, three of which are bordered with white, one of these is near the base, the second is exterior, and the third submarginal; a black interior nearly straight and upright band; elongated discal point and marginal lunules black; exterior border slightly oblique. Hind wings dull fawn-colour, with brownish denticulated lines, which are most distinct towards the slightly dentate exterior border. Length of the body 5—5½ lines; of the wings 14 lines.

a. Tasmania. From the Entomological Society's collection.

b. Australia. From M. Becker's collection.

64. CIDARIA INTENTATA.

Fœm. Cinereo-fusca; palpi lati, disjuncti; alæ amplæ, lunulis marginalibus nigris; anticæ extus ochraceo variæ, striga discali atra, lineis plurimis denticulatis nigris, nonnullis albido marginatis, linea exteriora dentata undulata; posticæ pallidiores, lineis plurimis indistinctis, margine exteriora dentato.

Female. Cinereous-brown. Palpi broad, short, apart from each other. Wings ample, with black marginal lunules; under side dull fawn-colour, with a deep black discal streak and with black speckles, some of which are confluent and form a diffuse patch near each tip. Fore wings with a deep black discal streak and with many denticulated black lines; exterior part slightly varied with ochraceous; some of the lines whitish-bordered, especially the exterior and submarginal lines, which are more conspicuous than the others; exterior line dentate and undulating; submarginal line zigzag. Hind wings paler, with very indistinct lines; exterior border dentate. Length of the body 6 lines; of the wings 16 lines.

a. Tasmania. Presented by R. Butler, Esq.

65. CIDARIA BIFUSATA.

Fœm. Fusca; palpi breves, lati, pilosi, rostriformes; thorax nigro fasciatus; alæ punctis marginalibus nigris, margine exteriora vix dentato; anticæ acutæ, lineis plurimis nigris denticulatis, fascia media diffusa lineaque submarginali angulosa albido-cinereis, costa margineque exteriora subcon-

vexis; posticæ rufescente-ferrugineæ, lineis nonnullis nigricantibus diffusis denticulatis.

Female. Brown. Palpi short, broad, pilose, rostriform. Thorax with a black band. Abdomen speckled with cinereous. Wings with black marginal points; exterior border slightly festooned. Fore wings acute, with many black denticulated lines, and with a diffuse whitish cinereous middle band which includes several lines and the black discal point; interior and exterior lines more distinct than the others, bordered with pale cinereous, the latter slightly bent; submarginal line pale cinereous, zigzag; costa and exterior border slightly convex, the latter rather oblique. Hind wings reddish ferruginous, with some diffuse blackish denticulated lines. Wings beneath testaceous, with a black discal streak and with three black lines, and with a blackish submarginal band. Length of the body $5\frac{1}{2}$ lines; of the wings 16 lines.

a. Tasmania. Presented by M. Allport, Esq.

66. CIDARIA LUCIDULATA.

Fœm. Cinereo-fusca; palpi breves, graciles, decumbentes; alæ ampla, lunulis marginalibus nigris elongatis; anticæ acutæ, nigro conspersæ, lineis duabus interioribus cinereis denticulatis fasciam cervinam includentibus, spatio medio marginibus nigris undulatis, spatio exteriore albido nigricante guttato, fascia adhuc exteriore cervina atro extus nebulosa, linea submarginali alba antice furcata, strigis tribus subapicalibus rufescentibus; posticæ flavæ.

Female. Cinereous-brown. Palpi short, slender, decumbent. Abdomen black-speckled; hind borders of the segments and tip pale cinereous. Wings ample; marginal lunules black, elongated. Fore wings acute, black-speckled, with two interior denticulated cinereous lines, which contain a fawn-coloured band; middle space black-bordered and undulating on the outer side; exterior space whitish, including two rows of blackish dots and succeeded by a fawn-coloured band, the latter is mostly shaded with deep black on the outer side; submarginal line white, composed of lunules, forked in front, where it is intersected by three reddish streaks; subapical space deep black. Hind wings yellow, with traces of blackish lines along the interior border. Length of the body $5\frac{1}{2}$ lines; of the wings 17 lines.

a. Tasmania. Presented by R. Butler, Esq.

67. CIDARIA ASSIMILATA.

Mas. *Ferrugineo-rufa*; palpi *graciles, brevissimi*; alæ *elongatæ*; anticæ *acutæ, lineis plurimis obscurioribus subdenticulatis valde indistinctis, puncto discali nigro minimo, costa subconvexa, margine exteriori perobliquo*; posticæ *cinereæ, acutæ, spatio marginali rufescente, margine exteriori subtruncato*.

Male. Ferruginous-red. Palpi slender, very short. Wings elongate. Fore wings acute, with numerous darker slightly denticulated very indistinct lines; discal point black, very small; costa very slightly convex; exterior border straight, very oblique. Hind wings cinereous, acute, reddish towards the exterior border, which is somewhat truncated. Length of the body 5 lines; of the wings 18 lines.

a. Swan River. Presented by Sir J. Richardson.

68. CIDARIA FERVIDATA.

Fœm. *Ochraceo-cinerea*; palpi *pilosi, rostriformes, longiusculi*; alæ *punctis marginalibus nigris*; anticæ *acutæ, fasciis tribus fusciscentibus, 1a basali, 2a lata denticulata, 3a magis dentata, puncto discali lineaque e punctis exterioribus nigris*; posticæ *ochraceæ, linea submarginali nigricante incompleta*.

Female. Ochraceous-cinereous. Palpi pilose, acute, rostriform, nearly as long as the breadth of the head. Wings with black marginal points; fringe cinereous exteriorly. Fore wings acute, with three brownish bands; first band basal; second broader than the others, denticulated along the borders, prominent on the middle of the outer border, with a row of black points between it and the third band, which is more deeply dentate; discal point black, in the second band; exterior border slightly convex, rather oblique. Hind wings ochraceous, with an incomplete blackish submarginal line. Length of the body $3\frac{1}{2}$ lines; of the wings 10 lines.

a. Tasmania. Presented by Dr. Milligan.

b. ——— ? From Mr. Milne's collection.

69. CIDARIA CLANDESTINATA.

Cinerea; palpi *breves, lati, pilosi, rostriformes*; alæ *fusco conspersæ aut nebulosæ, lunulis marginalibus nigricantibus*; anticæ *lineis plurimis denticulatis nigricantibus, fascia submarginali e lineis quatuor undulatis pallide cinereis, puncto discali nigricante elongato*; posticæ *lineis valde indistinctis*.

Cinereous, most thickly speckled and in some parts clouded with brown. Palpi pilose, short, broad, rostriform; third joint conical, minute. Wings with blackish marginal lunules. Fore wings acute, with many denticulated blackish lines and with a submarginal band, which is composed of four undulating pale cinereous lines; discal point blackish, elongated; exterior border hardly convex, rather oblique. Hind wings slightly or hardly paler than the fore wings; lines very indistinct. Length of the body 5? lines; of the wings 12—13 lines.

a. Australia. From Mr. Milne's collection.

b. ——— ?

70. CIDARIA RESPONSATA.

Cinerea; palpi breves, lati, pilosi, rostriformes; alæ linea submarginali albida angulosa, lunulis marginalibus nigricantibus; anticæ fasciis quinque e lineis denticulatis nigricantibus, fasciis duabus albidis, gutta discali nigra; posticæ lineis fusciscentibus subobsoletis.

Cinereous. Palpi broad, short, pilose, rostriform. Wings with a whitish zigzag submarginal line; marginal lunules blackish. Fore wings acute, with five bands composed of blackish denticulated lines; first, second and third bands on the inner side of the black discal dot, each composed of two lines; fourth band composed of three lines; fifth band less determinate; a whitish band between the second and third bands and another between the fourth and fifth bands. Hind wings with several nearly obsolete brownish lines. Length of the body 5? lines; of the wings 14 lines.

a. South Australia. Presented by R. Bakewell, Esq.

71. CIDARIA SOLITATA.

Mas. Fusca; palpi breves, lati, pilosi, rostriformes; antennæ vix pubescentes; alæ linea marginali nigricante; anticæ acutæ, cinereo variæ, fascia media lata dentata obscuriore albido marginata, lineis nonnullis denticulatis nigricantibus, linea submarginali albida angulosa indistincta, costa subconvexa; posticæ cinereo-fuscæ, vix lineatæ.

Male. Brown. Palpi short, broad, pilose, rostriform, Antennæ hardly pubescent. Wings with a blackish marginal festoon. Fore wings acute, varied with cinereous, excepting the middle part, which forms a broad deeply dentate band, the latter enclosed by

two whitish lines; some denticulated blackish lines; submarginal line whitish, zigzag, indistinct; costa slightly convex; exterior border straight, moderately oblique. Hind wings cinereous-brown, with some almost obsolete lines. Length of the body 5 lines; of the wings 14 lines.

a. Australia. From Mr. Milne's collection.

72. CIDARIA PROMPTATA.

Fœm. *Fusca, robusta; palpi graciles, breves; abdomen basi cinereum, segmentis nigricante fasciatis; alæ elongatæ, lunulis marginalibus nigris; anticæ apice rotundatæ, lineis nonnullis nigris subundulatis, fasciis duabus cinereis obliquis subundulatis fusco bilineatis, gutta discali nigra cinereo marginata, margine exteriori perobliquo; posticæ lituris apud marginem interiorem conspicuis.*

Female. Brown, stout, cinereous beneath. Palpi slender, extending very little beyond the head; third joint very minute. Abdomen with a blackish band on each segment, and with a cinereous basal band. Wings elongate; marginal lunules black. Fore wings rounded at the tips, with some slightly undulating black lines; interior and exterior bands oblique, cinereous, slightly undulating, each containing two brown lines; a small black discal dot bordered with cinereous; exterior border slightly convex, very oblique. Hind wings with markings like those of the fore wings, conspicuous towards the interior border, obsolete towards the costa. Length of the body 4 lines; of the wings 11 lines.

a. Tasmania. From the Entomological Society's collection.

73. CIDARIA SODALIATA.

Fuscescente-cinerea; palpi lati, pilosi, brevissimi; alæ punctis marginalibus fuscis; anticæ acutæ, spatio basali strigaeque costali exteriori lata pallidioribus, lineis plurimis nigricantibus subundulatis subdenticulatis, striga discali nigra; posticæ cinereæ.

Brownish cinereous. Palpi broad, pilose, very short. Wings with brown marginal lunules. Fore wings acute, with many blackish slightly undulating and denticulated lines; basal space and a broad streak which extends from three-fourths of the length of the costa to the disk paler than the ground hue; discal streak black; exterior

border nearly straight, rather oblique. Hind wings cinereous. Length of the body 5 lines; of the wings 12 lines.

a. Australia. From Mr. Milne's collection.

74. CIDARIA CONGLOBATA.

Fœm. *Fuscescente-cinerea*; palpi graciles, caput paullo superantes; alæ anticæ apice rotundatæ, spatio basali pallide fusco, spatio medio fuscescente antice pallido atro ex parte marginato, striga apicali obliqua atra, linea submarginali angulosa pallide cinerea, punctis marginalibus nigris duplicatis; posticæ cinereæ.

Female. Brownish cinereous. Palpi slender, extending a little beyond the head; third joint minute, conical. Fore wings rounded at the tips; basal space pale brown, with a convex outline; middle space brownish, broader and paler in front, partly broadly and diffusedly bordered with deep black; a deep black oblique apical streak, intersected by the pale cinereous zigzag submarginal line; a few ferruginous denticulated lines; marginal points black, double; exterior border slightly convex, very oblique. Hind wings cinereous, without markings, except the brown marginal points. Length of the body 5 lines; of the wings 14 lines.

a. Australia.

New Zealand.

This species of this region may be divided into four principal groups, of which the first contains the typical species. The second is remarkable for the great length of the abdomen, and is allied to the genera *Sauris* and *Remodes*. The third and the fourth differ still more from the normal form and may be considered as two new genera.

Group 1.

75. CIDARIA INCLARATA.

Mas et fœm. *Fusca*; corpus cinereo varium; palpi brevissimi; antennæ maris subpubescentes; abdomen guttis nigris bilineatum; alæ anticæ subfalcatæ, lineis tribus cinereis subundulatis, 2a duplicata, 3a subtriplicata, linea submarginali alba angulosa; posticæ rufescente-cervinæ, lineis apud marginem anteriorem conspicuis.

Male and female. Brown. Body tinged with cinereous. Palpi very short. Antennæ of the male slightly pubescent. Abdomen with two rows of black dots. Wings with black marginal lunules. Fore wings subfalcate, with three cinereous oblique nearly parallel slightly undulating lines; first line near the base, indistinct; second double; third exterior, incompletely treble; submarginal line white, zigzag, here and there dilated or almost interrupted; discal streak black. Hind wings reddish fawn-colour, with brown lines, which are almost obsolete, except along the interior border; exterior border festooned with an interlined cinereous fringe. Length of the body $5\frac{1}{2}$ lines; of the wings 15—16 lines.

a, b. Auckland, New Zealand. From Mr. Oxley's collection.

76. CIDARIA PERDUCTATA.

Mas. *Ferrugineo-fusca*; *antennæ vix pubescentes*; *abdomen guttis nigris bilineatum*; *alæ anticæ vix falcatae, lineis interioribus nigris albido marginatis vix undulatis, fascia media marginibus obscurioribus, fascia exterior albida diffusa, linea submarginali alba angulosa, lunula discali atra; posticæ rufescentecervinæ, lineis fuscis subdenticulatis apud marginem anteriorem determinatis.*

Male. Ferruginous-brown. Palpi short. Antennæ hardly pubescent. Abdomen cinereous, with a slight ferruginous tinge and with two rows of black dots. Wings with black marginal lunules. Fore wings hardly falcate; basal part with several black hardly undulating whitish-bordered lines; middle space forming a broad band, which is broadly bordered on each side and interlined with deep brown, and has along its outer side a diffuse whitish band, the latter is interlined with brown; submarginal line white, zigzag, here and there indistinct or dilated; discal lunule deep black. Hind wings reddish fawn-colour, with several brown slightly denticulated lines, which are most distinct along the interior border. Length of the body 6 lines; of the wings 15 lines.

a. New Zealand. From Major Parry's collection.

77. CIDARIA CONGRESSATA.

Fœm. *Fusca*; *palpi breves, disjuncti, sat graciles*; *alæ punctis marginalibus nigris*; *anticæ acutæ, elongatæ, fascia interiore subundulata cinereo-fusca lineam nigram diffusam includente, lineis duabus exterioribus cinereis denticulatis, spatio marginali cinereo-fusco*; *posticæ lineis apud marginem anteriorem bene determinatis.*

Female. Brown. Palpi short, separate, rather slender. Abdomen and hind wings cinereous-brown. Wings with black marginal points. Fore wings acute, elongated, with an interior cinereous-brown band, which is slightly undulating and is bordered by two cinereous lines and encloses a diffuse black line; discal streak deep black, having beyond it two cinereous lines, of which the second is more distinct and more denticulated than the first; space between the latter line and the exterior border cinereous-brown; exterior border straight, very oblique. Hind wings with some brown lines, which are indistinct, except along the interior border. Length of the body 5 lines; of the wings 14 lines.

a. New Zealand. Presented by Col. Bolton.

78. CIDARIA SIMILATA.

Mas. *Luteo-viridis*; palpi caput non superantes; antennæ vix pubescentes; alæ linea marginali lunulari nigra; anticæ fasciis quatuor fuscis viridibus nigro marginatis, lineis nonnullis intermediis fuscis denticulatis, fascia 4a interrupta nigro nebulosa albo extus marginata, costa subconvexa; posticæ pallide cinereæ, lineis plurimis denticulatis fuscis.

Male. Luteous-green. Palpi very short, not extending beyond the head. Antennæ hardly pubescent. Wings with a black marginal festoon. Fore wings hardly acute, with four irregular brownish green black-bordered bands and with a few intermediate brown denticulated lines, which are most distinct along the costa; fourth band much interrupted, partly shaded with black and bordered with white on the outer side, whence it emits brown streaks to the exterior border; discal streak blackish; costa and exterior border slightly convex, the latter moderately oblique. Hind wings pale cinereous, with many denticulated brown lines. Length of the body 5 lines; of the wings 16 lines.

a. New Zealand. Presented by the Rev. W. Colenso.

79. CIDARIA CONVERSATA.

Mas. *Cinereo-ferruginea*; palpi brevissimi; antennæ vix pubescentes; abdomen non punctatum; alæ anticæ subfalcatæ, valde acutæ, spatio medio subobscuriore marginibus atris, spatio exteriori pallido, lineis nigris subundulatis, linea submarginali alba denticulata interrupta; posticæ subcervinæ, lineis fuscis apud marginem interiorem bene determinatis.

Male. Cinereous-ferruginous, cinereous with a ferruginous tinge beneath. Palpi very short. Antennæ hardly pubescent. Abdomen with no black points; apical tuft quadrate. Fore wings sub-falcate, much more acute than those of the two preceding species; lines black, slightly undulating; middle space slightly darker than the wings elsewhere, bordered on each side with deep black, of which the outline is hardly undulating; exterior space somewhat pale; submarginal line white, denticulated, partly obliterated; exterior border straight, rather oblique. Hind wings dull pale fawn-colour, with brown lines, which are nearly obsolete, except along the interior border. Length of the body $5\frac{1}{2}$ lines; of the wings 16 lines.

a. New Zealand. Presented by the Rev. W. Colenso.

80. CIDADARIA DESCRIPTATA.

Fœm. *Cinereo-ferruginea*; palpi obtusi, brevissimi, vix ascendentes; abdomen punctis nigricantibus bilineatum; alæ anticæ fasciis interiore et exteriori spatium ferrugineum includentibus, fascia exteriori intus undulata.

Female. Cinereous-ferruginous, dull pale fawn-colour beneath. Palpi very short, obtuse, hardly ascending. Abdomen with two rows of blackish points. Fore wings with markings like those of *C. conversata*, but the interior and exterior bands enclose a ferruginous space between them, and the inner border of the exterior band is quite undulating. Hind wings like those of *C. conversata*. Length of the body $5\frac{1}{2}$ lines; of the wings 15 lines.

a. New Zealand. Presented by the Rev. W. Colenso.

Mas. *Ferrugineo-fusca*; palpi breviores; abdomen punctis nigris bilineatum; alæ anticæ minus acutæ, fascia exteriori intus minus recta.

Male. Ferruginous-brown. Palpi shorter than those of the female. Abdomen with two rows of black points; a row of little tufts along each side and with a quadrate depressed apical tuft. Fore wings less acute than those of the female; exterior band a little less straight on the inner side. Length of the body $5\frac{1}{2}$ lines; of the wings 14 lines.

b. New Zealand. Presented by Col. Bolton.

81. CIDARIA BISIGNATA.

Fœm. Cinereo-fusca; palpi breves, lati, obtusi, pilosi, sub-ascendentes; alæ amplæ, linea marginali lunulari nigra; anticæ acutæ, nigro conspersæ, lineis nigris indistinctis, linea basali albida denticulata, fasciis interiore et exteriori albidis subrectis, linea submarginali albida angulosa; posticæ cervinæ, lineis nigricantibus denticulatis.

Female. Cinereous-brown, pale dull fawn-colour beneath. Palpi short, broad, obtuse, pilose, slightly ascending; third joint very short. Wings ample, with a black marginal festooned line. Fore wings acute, thickly black-speckled, and with some indistinct black lines; a denticulated whitish line near the base; interior and exterior bands whitish, oblique, nearly straight and parallel; submarginal line whitish, zigzag; exterior border straight, rather oblique. Hind wings fawn-colour, with several blackish denticulated lines, which are indistinct except along the interior border. Length of the body $5\frac{1}{2}$ lines; of the wings 15 lines.

a. Auckland, New Zealand. From Mr. Oxley's collection.

82. CIDARIA CONGREGATA.

Fœm. Cinereo-ferruginea; palpi breves, lati, pilosi, disjuncti; alæ lunulis marginalibus nigris; anticæ basi spatioque medio ferrugineo-fuscis albido marginatis nigro-fusco interlineatis, linea submarginali alba denticulata; posticæ cervinæ.

Female. Cinereous-ferruginous. Palpi short, broad, pilose, separate from each other. Wings with black marginal lunules. Fore wings acute; base and middle space ferruginous-brown, whitish-bordered, including some undulating blackish brown lines; middle space prominent in the middle of the outer side, which is undulating; submarginal line white, denticulated; exterior border straight, moderately oblique. Hind wings fawn-colour, without markings. Length of the body 5 lines; of the wings 16 lines.

a. Auckland, New Zealand. From Mr. Oxley's collection.

83. CIDARIA AGGREGATA.

Fœm. Fusca; palpi lati, pilosi, obtusi, brevissimi; alæ obscure cinereo-cervinæ, lunulis marginalibus nigris; anticæ subfalcatæ, spatiis basali et medio fuscis nigro interlineatis, linea submarginali albida angulosa diffusa, striga discali atra; posticæ cervinæ, lineis fuscis valde indistinctis.

Female. Brown. Palpi broad, pilose, obtuse, very short. Wings dull cinereous fawn-colour, with black marginal lunules. Fore wings acute, slightly falcate; basal space and middle space brown, interlined with black; outer side of the middle space much more prominent than in *C. congregata*; submarginal line whitish, zigzag, diffuse, partly indistinct; discal streak deep black; exterior border straight, rather oblique. Hind wings fawn-colour, with brown lines, which are very indistinct, except along the exterior border. Length of the body 5 lines; of the wings 16 lines.

a. New Zealand. Presented by the Rev. W. Colenso.

84. CIDARIA PLAGIFURCATA.

Mas. *Fusca*; palpi lati, breves, rostriformes; antennæ vix pubescentes; alæ linea marginali nigra; anticæ productæ, subfalcatae, peracutæ, lineis paucis nigricantibus subdenticulatis, spatio medio albido plagam anticam furcatam fuscam nigro interlineatam includente, linea submarginali albida subangulosa; posticæ pallide flavescence-cervinæ.

Male. Brown. Palpi broad, short, rostriform. Antennæ hardly pubescent. Wings with a black marginal line. Fore wings subfalcate, much produced, very acute, with a few blackish slightly denticulated lines; costa with indications of several other lines; middle space whitish, including in front a brown black-lined patch, which is very deeply indented on the outer side; submarginal line whitish, slightly zigzag, partly obliterated; exterior border straight, very oblique. Hind wings pale yellowish fawn-colour, with indications of brownish lines along the interior border. Length of the body 6 lines; of the wings 18 lines.

a. Auckland, New Zealand. From Mr. Oxley's collection.

Group 2.

85. CIDARIA LESTEVATA.

Mas. *Olivacea*; palpi longi, porrecti, pilosi, disjuncti, sat graciles; antennæ robustæ; thorax brevissimus; abdomen gracile, longissimum; alæ anticæ elongatæ, apice rotundatæ, lineis quatuor angulatis nigris intus cinereo marginatis extus diffusis, 4a subinterrupta strigas emittente, margine exteriori antice subconcavo postice perobliquo; posticæ parvæ, cinereæ.

Male. Olive-green, greenish cinereous beneath. Palpi porrect, pilose, rather slender, apart from each other, nearly as long as

the breadth of the head ; third joint minute, obtuse, about one-sixth of the length of the second. Antennæ stout, simple. Thorax very short. Abdomen cylindrical, very long and slender, extending for half its length beyond the hind wings. Wings elongate, narrow, Fore wings rounded at the tips, with four zigzag oblique black lines which are diffuse on the outer side and bordered with cinereous on the inner side ; fourth line nearly interrupted between the lanceolate black streaks which it emits towards the exterior border ; exterior border slightly concave in front, extremely oblique hindward. Hind wings cinereous, small. Length of the body 9 lines ; of the wings 18 lines.

a. Auckland, New Zealand. From Mr. Oxley's collection.

b. New Zealand. From Mr. Churton's collection.

86. CIDARIA AGRIONATA.

Mas. *Olivacea ; palpi longi, graciles, fimbriati ; antennæ robustæ, læves ; abdomen longissimum, nigro punctatum, alas posticas plus dimidio superans ; alæ anticæ longæ, angustæ, fasciis duabus deviis obscurioribus, lineis nonnullis angulosis strigisque submarginalibus nigricantibus, linea submarginali pallida, fimbria e lituris nigris angulatis notata, striga discali nigra ; posticæ cinereæ, parvæ.*

Male. Olive-green. Palpi slender, fringed, as long as the breadth of the head ; third joint conical, minute. Antennæ stout, smooth. Abdomen cinereous, cylindrical, slender, extremely long, extending for much more than half its length beyond the hind wings, with two black points on the hind border of each segment. Legs long, slender, smooth. Fore wings long, narrow, with two darker irregular bands and with several zigzag blackish lines ; a row of submarginal blackish streaks intersected by the pale submarginal line : fringe with a row of angular black marks ; discal streak black ; exterior border extremely oblique. Hind wings cinereous, small ; interior border excavated and with a lappet at the base. Length of the body 10 lines ; of the wings 18 lines.

a, b. New Zealand. Presented by the Rev. W. Colenso.

87. CIDARIA TIPULATA.

Mas et fœm. *Olivacea ; palpi longi ; antennæ robustæ ; abdomen longissimum, nigro punctatum ; alæ anticæ longæ, angustæ, apice subrotundatæ, lineis nonnullis undulatis fuscis*

aut nigricantibus, fasciis duabus mediis approximatis fusciscentibus, striga discali fusca, fimbria nigro punctata; posticæ cinereæ.

Male and female. Olive-green. Palpi as long as the breadth of the head; third joint minute. Antennæ stout, smooth. Abdomen cylindrical, slender, very long, especially in the male, extending in that sex for half its length beyond the hind wings, and having a few black points on each side. Fore wings long, narrow, slightly rounded at the tips, with several undulating irregular brown or blackish lines; middle space with two irregular approximate brownish bands; discal streak brown; fringe with pairs of black points; exterior border extremely oblique. Hind wings cinereous; interior border excavated and with an inflated lappet towards the base. Length of the body 9 lines; of the wings 18 lines.

a. New Zealand. Presented by the Rev. W. Colenso.

b. Auckland, New Zealand. From Mr. Oxley's collection.

88. CIDARIA INCLINATARIA.

Fœm. *Viridis; palpi longissimi, articulo 3o nigricante lanceolato; antennæ robustæ; thoracis latera nigro punctata; abdomen subochraceum, nigro punctatum; alæ anticæ longæ, sat acutæ, lineis nonnullis nigris denticulatis plus minusve interruptis fascias quatuor fingentibus, strigis submarginalibus punctisque marginalibus nigris; posticæ subochraceæ, semihyalinæ.*

Female. Green. Palpi nearly twice longer than the breadth of the head; third joint lanceolate, blackish, about one-fifth of the length of the second. Antennæ stout. Thorax with four black points on each side. Abdomen long, dull pale ochraceous, with two black points on the hind border of each segment. Fore wings long, rather acute, with several black denticulated oblique more or less interrupted lines, which are arranged in four indistinct undulating bands; submarginal black streaks intersected by the pale submarginal line; discal point and marginal points black; exterior border slightly convex, very oblique. Hind wings pale dull ochraceous, semihyaline. Length of the body 7—8 lines; of the wings 16—18 lines.

a. New Zealand. Presented by Dr. Sinclair.

b, c. New Zealand. From Mr. Churton's collection.

89. CIDARIA COLLECTARIA.

Fœm. *Olivacea; palpi longi; antennæ robustæ; abdomen ochraceo-cinereum, alas posticas paullo superans; alæ anticæ longæ, pallide cinereæ, apice subrotundatæ, lineis plurimis obliquis diffusis denticulatis, spatio medio purpurascente subincto lineis rufescentibus, striga discali fusca; posticæ subochraceo-cinereæ.*

Female. Olive-green. Palpi nearly as long as the breadth of the head; third joint conical, minute. Antennæ stout. Abdomen ochraceous-cinereous, extending a little beyond the hind wings. Fore wings long, pale cinereous, slightly rounded at the tips, with many oblique diffuse denticulated green lines; middle space with a purplish tinge, in which the lines are reddish; discal streak brown; marginal points black; exterior border slightly convex, very oblique. Hind wings cinereous, with a slight ochraceous tinge. Length of the body 6—6½ lines; of the wings 18—19 lines.

a. New Zealand. Presented by the Rev. W. Colenso.

b. Auckland, New Zealand. From Mr. Oxley's collection.

90. CIDARIA TRANSITARIA.

Fœm. *Viridescens; palpi longi; antennæ vix robustæ; abdomen cinereum, alas posticas triente superans; alæ anticæ longæ, angustæ, lineis nonnullis nigricantibus obliquis denticulatis, striga discali arcuata nigricante, litura posteriore albida, punctis marginalibus nigris; posticæ cinereæ.*

Female. Dull green. Palpi a little longer than the breadth of the head; third joint conical, not more than one-eighth of the length of the second. Antennæ hardly stout. Abdomen cinereous, extending for one-third of its length beyond the hind wings. Fore wings long, narrow, minutely black-speckled, with several blackish oblique denticulated lines, which are most apparent on the veins; a curved blackish discal streak, behind which there is a whitish mark; marginal points black; costa and exterior border slightly convex, the latter extremely oblique. Hind wings cinereous. Length of the body 6 lines; of the wings 16 lines.

a. New Zealand. Presented by the Rev. W. Colenso.

Var. ? *Viridescens*; palpi longi, nigricantes; antennæ graciles; alæ anticæ longæ, angustæ, apice subrotundatæ, lineis nonnullis obliquis denticulatis diffusis plagaque costali maxima nigricantibus, punctis marginalibus nigris; posticæ fuscescente-cinereæ, semihyalinæ.

Var. ? Dull green. Palpi blackish, longer than the breadth of the head. Antennæ slender. Fore wings long, narrow, slightly rounded at the tips, with several blackish diffuse oblique denticulated lines; a very large blackish patch, which extends from the middle of the costa to beyond the middle of the disk; marginal points black; costa and exterior border slightly convex, the latter extremely oblique. Hind wings brownish cinereous, semihyaline. Length of the body 7? lines; of the wings 18 lines.

b. New Zealand. Presented by the Rev. W. Colenso.

Group 3.

91. CIDARIA RUDISATA.

Mas. *Pallide cervina*; palpi breves, lati, pilosi; antennæ pectinatae, apice simplices; abdomen compressum, elongatum; alæ punctis marginalibus nigris; anticæ nigro conspersæ, plagis duabus submarginalibus unaque discali nigricantibus, linea submarginali albida angulosa, costa subconvexa; posticæ testaceo-albæ.

Male. Pale fawn-colour, pale testaceous beneath. Palpi broad, pilose, much shorter than the breadth of the head; third joint very minute. Antennæ moderately pectinated, except towards the tips. Thorax and fore wings with black speckles. Abdomen compressed, extending a little beyond the hind wings. Wings with black marginal points. Fore wings acute, with a blackish patch in the exterior part of the disk and with two submarginal blackish patches, in which the whitish zigzag submarginal line is distinct; costa and exterior border slightly convex; the latter rather oblique. Hind wings testaceous-white. Length of the body 7 lines; of the wings 16 lines.

a. New Zealand. Presented by Col. Bolton.

Group 4.

92. CIDARIA? OBTRUNCATA.

Mas et fœm. *Rufescente-testacea; palpi obtusi, brevissimi; antennæ maris robustæ, glabræ; tibię posticæ validæ; alæ anticæ acutæ, nigro conspersæ, lineis duabus subrectis e punctis nigris, costa basi convexa, margine exteriore vix flexo; posticæ pallide testaceæ, apice subtruncatæ.*

Male and female. Reddish testaceous. Palpi obtuse, very short. Antennæ of the male smooth, rather stout. Hind tibię slightly thickened. Fore wings acute, black-speckled; interior and exterior lines nearly straight, formed of black points; costa convex towards the base; exterior border slightly bent in the middle, moderately oblique. Hind wings slightly truncated at the tips, pale testaceous, black-speckled along the interior border. Length of the body 5—5½ lines; of the wings 14 lines.

This species hardly belongs to the genus *Cidaria*, and appears to have some affinity to the *Ennomidæ*.

a—f. New Zealand. Presented by Col. Bolton.

93. CIDARIA FLEXATA.

Fœm. *Cinereo-cervina, subtus ochracea; palpi graciles, brevissimi, oblique ascendentes; alæ anticæ subfalcatae, spatiis medio et marginali nigricante nebulosis, margine exteriore angulato; posticæ flavescentes, margine exteriore antico angulato.*

Female. Cinereous fawn-colour, ochraceous beneath. Palpi slender, very short, obliquely ascending. Abdomen yellowish. Fore wings acute, subfalcate, with a blackish shade on nearly half the middle space and along the exterior border, which is distinctly angular. Hind wings yellowish, without markings; fore part of the exterior border slightly truncated. Length of the body 6 lines; of the wings 16 lines.

a. New Zealand. Presented by Col. Bolton.

Country unknown.

94. CIDARIA PERACUTATA.

Mas. *Cinerea, ferrugineo-conspersa aut suffusa; palpi breves, decumbentes; antennæ vix serratæ; alæ lineis duabus exteri-*

oribus lineaque submarginali cinereis denticulatis ; anticæ vix falcatæ, lineis duabus interioribus cinereis indistinctis, annulo discali cinereo, margine exteriori perobliquo ; posticæ margine exteriori subangulato.

Male. Cinereous, with ferruginous speckles, which latter are quite confluent on the exterior part of the fore wings. Palpi short, slightly decumbent ; third joint conical. Antennæ hardly serrated. Wings with two exterior lines and the submarginal lines cinereous, denticulated ; marginal points blackish, minute. Fore wings acute, hardly falcate, with two indistinct interior cinereous lines ; discal mark forming a cinereous ringlet ; exterior border straight, very oblique. Hind wings with the exterior border slightly angular. Length of the body $3\frac{1}{2}$ lines ; of the wings 12 lines.

a. ——— ? From Mr. Milne's collection.

95. CIDARIA SIMPLICIATA.

Fœm. *Albido-cinerea ; caput et thorax fusca ; palpi breves, graciles, subdecumbentes ; antennæ sat validæ ; alæ anticæ fasciis tribus dentatis obscure fuscis, 2a 3aque postice connexis guttasque duas albidas includentibus, spatio submarginali cervino lineam submarginalem albidam angulosam nigro punctatam includente, striga obliqua apicali punctisque marginalibus elongatis nigris ; posticæ linea cinerea flexa indistincta.*

Female. Whitish cinereous. Head and thorax mostly brown. Palpi short, slender, slightly decumbent ; third joint minute, conical, acute. Antennæ rather stout. Fore wings acute, with three dark brown jagged bands ; second and third bands united hindward, where they contain two whitish dots ; submarginal space mostly tinged with deep fawn-colour, which contains the whitish deeply zigzag submarginal line, whose angles are mostly pointed with black ; a small oblique apical black streak ; marginal points black, elongated. Hind wings with an indistinct cinereous bent line ; marginal points brown. Length of the body 5 lines ; of the wings 16 lines.

a. ——— ?

96. CIDARIA EXPLANATA.

Mas. *Cinerea ; caput et thorax nigricante conspersa ; palpi nigricantes, breves, lati, rostriformes ; antennæ subpubescentes ; alæ nigricante subconsersæ, linea submarginali albida angulosa, linea marginali nigra interrupta ; anticæ fasciis tribus*

fuscis, 1a et 2a dentatis nigro marginatis, 3a marginali, costa subconvexa; posticæ albido-cinereæ, linea exteriorē fuscescente denticulata indistincta.

Male. Cinereous. Head and thorax blackish-speckled. Palpi blackish, short, broad, rostriform. Antennæ very minutely pubescent. Wings thinly and minutely blackish-speckled, with the submarginal line whitish, deeply zigzag, very indistinct in the hind wings; marginal line black, interrupted on each vein. Fore wings acute, with three brown bands, of which the first and second are bounded by dentate black lines; third band marginal, darkest in front; discal streak black in the second band; costa and exterior border slightly convex, the latter rather oblique. Hind wings whitish cinereous, with an indistinct exterior denticulated brownish line. Length of the body 6 lines; of the wings 16 lines.

a. ——— ?

97. CIDARIA SCITISIGNATA.

Mas. *Albida; caput nigrum; palpi longi, compressi, sat graciles, articulo 3o lanceolato; antennæ breves, pectinatæ; alæ elongatæ, lineis tribus nigris undulatis denticulatis, 1a 2aque interruptis, plagis submarginalibus plagaque marginali fuscis, lunula discali magna nigro marginata; anticæ apice rotundatæ, costa nigro notata, margine exteriorē perobliquo.*

Male. Whitish. Head, palpi and antennæ black. Palpi porrect, compressed, rather slender, a little longer than the breadth of the head; third joint lanceolate, nearly half the length of the second. Antennæ short, moderately pectinated. Wings elongate; interior, middle and exterior lines black, denticulate, undulating, the two former incomplete; some brown submarginal patches, in which the whitish zigzag submarginal line is visible; a brown patch on the middle of the exterior border; discal lunule large, of the ground-colour, black-bordered; fringe with blackish dots. Fore wings rounded at the tips; costa with black marks; exterior border slightly convex, very oblique. Hind wings with the discal lunule wholly black hindward. Length of the body 4 lines; of the wings 12 lines.

a. ——— ?

Genus 29. PELURGA.

Corpus sat robustum. Proboscis lævis. Frons producta. Palpi brevissimi, incumbentes, compressi, obtusi; articuli indistincti. Prothorax antice cristatus. Abdomen conicum, sat robustum, pilis dorsalibus hirsutis. Pedes breviusculi, sat validi; tibiæ posticæ calcaribus quatuor vix longis. Alæ margine exteriori subdentato subflexo; anticæ acutæ, costa convexa; posticæ breves.

Pelurga, *Hubn. Verz. Schm.* 334. *Guen. Phal.* ii. 476.

Cidaria, p., *Treit.*; *Dup.*; *Boisd.*

Electra, p., *Steph.*

Larentia, p., *Herr.-Sch.*

Body rather stout. Proboscis short. Front very prominent. Palpi very short, incumbent, compressed, obtuse; joints indistinct. Antennæ smooth in both sexes. Prothorax with a crest between the tegulæ. Abdomen conical, rather robust, with hirsute dorsal hairs. Legs rather short and stout; hind tibiæ with four moderately long spurs. Wings with the exterior border slightly dentate and bent. Fore wings acute; costa convex. Hind wings short.

1. PELURGA COMITATA.

Subochracea; alæ anticæ lineis nonnullis indistinctis, lineis tribus diffusis nigricantibus albido marginatis, 3a flexa, linea submarginali albida subundulata; posticæ albidæ, vix lineatæ, apud marginem exterioriorem subtestaceæ.

———, *Albin, Ins.* pl. 47, f. 79. *Kleem, Beitr.* pl. 37.

Wilk. Pap. 1749, pl. 67. *De Vill. Ent. Linn.* ii. 341, 522.

Phalæna-Geometra comitata, *Linn. Syst. Nat.* i. 2, 868, 247; *Faun. Suec.* 1264. *Gmel. ed. Syst. Nat.* i. 5, 2475, 247.

Phalæna comitata, *Fabr. Sp. Ins.* ii. 258, 93; *Mant. Ins.* ii. 28, 138; *Ent. Syst.* iii. 2, 176, 170.

Geometra comitata, *Wien. Verz.* 112, 3. *Bork. Eur. Schm.* v. 365, 178. *Ill. N. Ausg. dess.* i. 451, 2. *Fuess. Schw. Ins.* 40, 780. *Mull. Faun. Fridr.* 49, 436; *Zool. Dan. Prodr.* 127, 1470. *Sepp. Schm.* ii. pl. 4, f. 1—9. *Haw. Lep. Brit.* 342.

Geometra chenopodiata, *Wien. Verz.* 112, 2. *Bork. Eur. Schm.* v. 365, 177. *Schr. Faun. Boic.* ii. 2, 1666. *Ill. N. Ausg. dess.* i. 451, 2. *Hubn. Geom.* pl. 58, f. 299.

Cidaria chenopodiata, *Treit. Schm.* vi. 2, 167, 16. *Dup. Lep.* v. 301, pl. 192, f. 1.

Pelurga chenopodiata, *Hubn. Verz. Schm.* 335, 3223.

Electra comitata, *Steph. Ill. Brit. Haust.* iii. 239, 1.

Cidaria chenopodiata, *Boisd. Ind.* 212, 1746.

Larentia chenopodiaria, *Herr.-Sch. Eur. Schm.* iii. 165. *Delah. Schm.* 290.

Pelurga comitata, *Guen. Phal.* ii. 477, 1691.

a—j. England. From Mr. Stephens' collection.

k—o. England.

p, q. Europe. From M. Becker's collection.

2. PELURGA SIMILIS.

Mas. Cervina ; palpi fimbriati, sat longi ; antennæ subsetulosæ ; alæ anticæ acutæ, pallide ochraceæ, spatiis basali et medio cervinis nigricante et albido marginatis, hoc strigis duabus nigricantibus, lunulis submarginalibus cervinis albido marginatis ; posticæ testaceo-albidæ, lineis duabus exterioribus angulosis fasciæque marginali cervinis.

Phalæna similis, *Barnston, MSS.*

Male. Fawn-colour. Under side and abdomen cinereous. Palpi fringed, shorter than the breadth of the head ; third joint elongate-conical, acute, about one-fourth of the length of the second. Antennæ minutely setulose. Fore wings acute, dull pale ochraceous ; basal space and middle space fawn-colour, blackish-bordered, the latter hue limited by a whitish line ; basal space containing a blackish line, slightly dentate exteriorly ; middle space containing two broad longitudinal blackish streaks, prominent in the middle of the outer side, broader on the costa than on the interior border ; a row of submarginal fawn-coloured whitish-bordered lunules ; exterior border convex, rather oblique. Hind wings testaceous-whitish ; two exterior zigzag lines and a marginal band fawn-coloured. Length of the body 5 lines ; of the wings 16 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.

Genus 30. DINEURODES.

Corpus gracile. Caput productum. Oculi maximi. Palpi contigui, frontem paullo superantes ; articulus 3us distinctus. Antennæ filiformes, maris vix pubescentes. Abdomen alas posticas non superans, maris robustum valvulis parvis apicalibus. Pedes

non incrassati. Alæ anticæ amplæ, elongatæ, margine exteriorè angulato; posticæ non lituratæ, margine exteriorè subdentato.

Dineuroides, *Guen. Phal.* ii. 478.

Body slender. Head very prominent. Eyes very large. Palpi contiguous, extending a little beyond the front; third joint distinct. Antennæ filiform, hardly pubescent in the male. Abdomen not extending beyond the hind wings; that of the male robust, with short apical valves. Legs not incrassated. Wings dull. Fore wings ample, elongated; exterior border with a prominent angle. Hind wings without the markings of the fore wings; exterior border slightly dentate.

1. DINEURODES MACROCEPHALA.

Mas Pallide flavescence-carnea; abdomen apice nigro maculatum; alæ anticæ fascia interiorè subrecta, fascia media interrupta fasciæque exteriorè fracta olivaceis, linea submarginali olivaceo nebulosa, spatio marginali violaceo-cinereo apicem versus oblique truncato; posticæ stramineo-albæ, angustæ, subdentatæ.

Dineuroides macrocephala, Guen. Phal. ii. 478, 1692.

Brazil?

2. DINEURODES MALACHITARIA.

Læte viridis; alæ anticæ lineis duabus e punctis carneo-albis, spatio marginali carneo-cinereo lineis duabus nigricantibus intus marginato costam versus abbreviato, margine exteriorè flexo; posticæ cinereæ, subdentatæ, lineis duabus albidis, 2a abbreviata.

Oligopleura malachitaria, Herr.-Sch. Exot. Schm. pl. 63, f. 357, 358.

Dineuroides malachitaria, Guen. Phal. ii. 479, 1693.

Brazil.

Genus 31. SYBARITES.

Mas. Corpus gracile. Frons plana. Antennæ breviusculæ, pectinatæ. Abdomen lineare, longissimum, alas posticas longe superans, valvulis apicalibus bene determinatis. Pedes graciles. Alæ anticæ oblongæ, acutæ, subfalcatæ, margine interiorè tumido; posticæ latiores, costa conyexa, angulo interiorè plus minusve acuto.

Sybarites, Guen. Phal. ii. 479.

Male. Body slender. Front flat. Antennæ rather short, with long slender branches. Abdomen linear, very long, extending much beyond the hind wings; apical valves much developed. Legs slender. Fore wings oblong, acute, subfalcate; interior border tumid in the middle. Hind wings broader than the fore wings; costa convex; interior angle more or less acute.

1. SYBARITES LEPTALIARIA.

Mas. *Saturate olivacea; alæ anticæ subfalcatæ, fasciis tribus sulphureis nigro marginatis, 1a recta, 2a 3aque subsinuatis, 3a apud costam flexa; posticæ flavescens-albæ, apice quadratæ non falcatæ, spatii marginalis dimidio olivaceo.*

Sybarites leptaliaria, Guen. Phal. ii. 480, 1694.

Quito.

2. SYBARITES CHLAMYDARIA.

Saturate viridis; alæ falcatæ, fimbria flavescens; anticæ lineis tribus flavescens, 1a 2aque rectis parallelis, 3a subrecta interlineata magis obliqua, margine exteriore flexo; posticæ nigro-fuscæ, linea una exteriore.

Geometra chlamydaria, Moriz, Herr.-Sch. Exot. Schm. pl. 16, f. 73, 74.

Sybarites chlamydaria, Guen. Phal. ii. 480, 1695.

a, b. Venezuela. From Mr. Dyson's collection.

3. SYBARITES XANTHOCHLORATA.

Fœm. *Saturate viridis; alæ subfalcatæ, subtus rufescentes; anticæ lineis tribus obscurioribus rectis obliquis parallelis, margine exteriore subflexo; posticæ læte ochraceæ, margine interiore fimbriaque fuscis.*

Female. Deep green. Body cinereous-green. Wings subfalcate, reddish beneath, with an exterior brown line. Fore wings with three darker straight oblique parallel lines; exterior border slightly bent. Hind wings bright ochraceous; interior border and fringe brown. Length of the body 6 lines; of the wings 20 lines.

a. Venezuela. From Mr. Dyson's collection.

Genus 32. PSALIODES.

Mas et fœm. Corpus sat gracile. Frons plana aut concava. Proboscis brevis. Palpi porrecti, caput longe superantes; articulus 2us longissimus, compressus, rectangulatus; articulus 3us parvus, filiformis. Antennæ filiformes, glabræ. Pedes longi, graciles; tibiæ posticæ calcaribus quatuor approximatis. Alæ integræ, tennes, sericeæ; anticæ latæ, acutæ, subfalcatæ, lineis paucis; posticæ subtus strigatæ.

Psaliodes, *Guen. Phal.* ii. 480.

Male and female. Body rather slender. Front flat or concave. Proboscis short. Palpi porrect, extending very much beyond the head; joints approximate; second joint very long, compressed, rectangular, squamous-hirsute; third small, filiform, bare. Antennæ filiform, smooth. Legs long, slender; hind tibiæ with two approximate pairs of spurs. Wings delicate, entire, silky. Fore wings broad, acute, subfalcate; lines few. Hind wings without markings above, streaked beneath.

1. PSALIODES FLAVAGATA.

Ochracea; alæ anticæ fusco strigatæ et nebulosæ, lineis tribus interruptis albis, spatio medio maculaque subapicali fuscis; posticæ fuscescente-cinereæ, basi pallidiores.

Psaliodes flavagata, *Guen. Phal.* ii. 481, 1696, pl. 22, f. 1.

Brazil.

2. PSALIODES PALEATA.

Mas. *Straminea*, *P. flavagatæ affinis, minor; alæ angustiores; anticæ lineis duabus basalibus, fascia media flexa, nebulis nonnullis, macula subapicali maculaque costali saturate ligneo-fuscis; posticæ pallide cinereæ, subtus fusco strigatæ, fimbria flava.*

Psaliodes paleata, *Guen. Phal.* ii. 481, 1697.

Colombia.

3. PSALIODES NUCLEATA.

Fœm. *Fusca; alæ anticæ aurato variæ, fascia interiore pallida, spatio basali saturatiore, puncto discali albo, linea submarginali tenui albida dentibus rotundatis, macula subapicali; posticæ fusco-cinereæ, lunula discali lineisque duabus saturate fuscis.*

Psaliodes nucleata, Guen. Phal. ii. 481, 1698.

Brazil.

4. PSALIODES INUNDULATA.

Mas et fœm. *Testaceo-alba; alæ anticæ fasciis tribus obliquis parallelis ligneo-fuscis, 3a apicem versus fracta, spatiis intermediis interlineatis; posticæ angustæ, sordide albæ, lituris nullis.*

Psaliodes inundulata, Guen. Phal. ii. 482, 1699.

Colombia.

5. PSALIODES DETRACTATA.

Fœm. *Pallide viridescens; palpi longissimi, graciles, fimbriati, articulo 3o lanceolato; antennæ robustæ; alæ anticæ acutæ, fasciis tribus fuscis obliquis rectis subparallelis, 1a 3aque valde excavatis, vitta discali fusca.*

Female. Dull pale green, more cinereous beneath. Palpi slender, fringed, nearly twice longer than the breadth of the head; third joint lanceolate, hardly one-third of the length of the second. Antennæ stout. Abdomen pale cinereous. Fore wings acute, with three oblique straight nearly parallel brown bands, of which the first (which is basal) and the third are especially excavated and irregular; a brown discal stripe traversing the bands; costa and exterior border slightly convex, the latter very oblique. Length of the body 3 lines; of the wings 10 lines.

a. Venezuela. From Mr. Dyson's collection.

Genus 33. CHALASTRA.

Fœm. *Corpus sat robustum. Fasciculus frontalis productus. Proboscis brevis. Palpi lati, porrecti, rostriformes, capitis latitudine non breviores; articulus 3us conicus, parvus. Antennæ graciles. Pedes sat graciles; tibie posticæ calcaribus quatuor longis. Alæ elongatæ, latiusculæ; anticæ obtusæ, margine exteriori antico excavato; posticæ subdentatæ.*

Female. Body moderately stout. Frontal tuft prominent. Proboscis short. Palpi broad, porrect, rostriform, pilose, as long as the breadth of the head; third joint conical, not more than one-fourth of the length of the second. Antennæ slender, smooth. Legs rather slender; hind tibiæ with four long spurs. Wings elongate, rather broad. Fore wings obtuse; exterior border much notched in front. Hind wings slightly dentate.

1. CHALASTRA PELLURGATA.

Fœm. *Pallide straminea; alæ anticæ ferrugineo conspersæ, 1a basali subangulosa, 2a recta latissima, 3a antice flexa, 4a subarcuata, guttis exterioribus albidis trigonis ferrugineo marginatis, puncto discali nigro; posticæ linea exteriore nigra punctulari abbreviata.*

Female. Pale straw-colour. Palpi brown. Fore wings with ferruginous speckles, and with four transverse ferruginous lines; first line near the base, slightly zigzag; second straight, slightly oblique, very broad; third oblique, much bent in front; fourth more slender, slightly curved, accompanied on the outer side by whitish triangular ferruginous-bordered dots; discal point black. Hind wings paler, slightly speckled, with a black exterior line, which is obsolete in front and is represented by points hindward. Length of the body $5\frac{1}{2}$ lines; of the wings 18 lines.

a. Auckland, New Zealand. From Mr. Oxley's collection.

Genus 34. ELVIA.

Mas. Corpus sat gracile. Fasciculus frontalis productus, acutus. Proboscis mediocris. Palpi lati, longi, porrecti, fimbriati; articulus 3us brevissimus, gracillimus. Antennæ breves, vix serratæ. Abdominis fasciculus apicalis radiatus. Pedes sat validi; tibiæ posticæ calcaribus quatuor longis. Alæ elongatæ, sat angustæ; anticæ margine exteriore postico perobliquo; posticæ margine exteriore postico subexcavato.

Male. Body rather slender. Frontal tuft prominent, acute. Proboscis moderately long. Palpi broad, porrect, fringed, longer than the breadth of the head; third joint very short and slender. Antennæ short, indistinctly serrated. Abdomen with a somewhat radiating apical tuft. Legs smooth, rather stout; hind tibiæ with four long spurs. Wings elongate, rather narrow. Fore wings rectangular at the tips; exterior border very oblique hindward. Hind wings with the exterior border slightly excavated hindward.

1. *ELVIA GLAUCATA*.

Mas. *Glauco-viridis*; abdomen luteum; alæ anticæ glaucæ, fasciis quatuor saturate viridibus, 1a basali, 2a intus angulata, 3a interrupta, plaga exteriori antica elongata flavescente-alba; posticæ flavescente-albæ, glauco-viridi marginatæ.

Male. Glaucous-green. Abdomen luteous. Fore wings glaucous, with four dark green irregular bands, which are slightly and partly bordered with white; first band very near the base; second angular on the inner side; third much interrupted, having on its outer side in front an elongated yellowish white patch. Hind wings yellowish white, bordered with glaucous green, with some blackish points near the interior angle. *Var.*—Head and thorax pale ochraceous. Fore wings ochraceous at the base; bands blackish brown. Length of the body 4 lines; of the wings 14 lines.

a, b. Auckland, New Zealand. From Mr. Oxley's collection.

c. New Zealand. Presented by the Rev. W. Colenso.

Fam. 20. *EUBOLIDÆ*.

Corpus sat robustum. Proboscis bene determinata. Palpi rostriformes, trigoni, caput superantes. Antennæ maris nonnunquam pubescentes aut pectinatæ. Abdomen maris lateribus pilosis, apice quadrato. Pedes robusti; tibiæ anticæ apice unguulatæ. Alæ validæ, integræ; anticæ acutæ, sæpe falcatæ, lineis bene determinatis.

Eubolidæ, *Guen. Phal.* ii. 483.

Body moderately stout. Proboscis well developed. Palpi rostriform, triangular, extending beyond the front. Antennæ of the male pubescent or pectinated in some species, not plumose. Abdomen pilose along each side and quadrate at the tip in the male. Legs stout; fore tibiæ very generally armed at the tips with a horny appendage. Wings stout, entire; fringe long. Fore wings acute, often falcate; lines distinctly marked; an oblique apical streak. Hind wings paler, with fewer markings.

A. Antennæ maris pectinatæ aut pubescentes.

A. Palpi non incumbentes. - - - 1. *EUBOLIA*, *Dup.*

B. Palpi incumbentes. - - - 2. *CARSIA*, *Hubn.*

B. Antennæ læves.

A. Alæ anticæ non angustæ.

A. Tibiæ anticæ femoribus breviores. - 3. ANAITIS, *Dup.*

B. Tibiæ anticæ femoribus non breviores.

4. LITHOSTEGE, *Hubn.*B. Alæ anticæ angustæ. - - - 5. CHESIAS, *Treit.*

Genus 1. EUBOLIA.

Corpus validum. Frons squamosa. Proboscis brevis. Palpi squamosi, contigui, acuti, frontem superantes, articulis indistinctis. Antennæ maris pubescentes aut pectinatæ. Abdomen sceminæ apice abruptum, acuminatum. Pedes graciles, squamosi, longiusculi; tibiæ anticæ apice non unguulatæ; tibiæ posticæ calcaribus quatuor longis. Alæ latæ, pulverulentæ; anticæ puncto discali distincto, linea exteriori costam versus non flexa.

Eubolia, *Dup. Lep.* iv. 109. ; *Boisd.* ; *Guen. Phal.* ii. 484.Larentia, p., *Treit.* ; *Boisd.* ; *Herr.-Sch.*Aspilates, p., *Treit.*Larentia, Phasiane, Phibalapteryx (p. *olim*) et Mesogramma, *Steph.*Plerocymia, Onychia, Ortholitha, Entephria et Mesotype, p., *Habn.**Verz. Schm.* 330, 331, 334, 338, 339.Cidaria, p., *Boisd.*

Body rather stout. Front squamous. Proboscis short. Palpi squamous, contiguous, of one colour, forming an acute rostrum, extending beyond the front; joints indistinct. Antennæ of the male pubescent or pectinated. Abdomen of the female with an abrupt straight acute tip. Legs slender, squamous, rather long; fore tibiæ more than half the length of the fore femora, without an apical appendage; hind tibiæ with four long spurs. Wings broad, pulverulent. Fore wings with a distinct discal point; lines very conspicuous; exterior line never bent outward in front of the areolet. Hind wings without distinct markings; exterior border rounded.

Group 1.

1. EUBOLIA CERVINARIA.

Cervina ; antennæ maris pectinatæ ; alæ linea submarginali albidâ angulosa ; anticæ basi spatique medio obscurioribus albido marginatis, puncto discali nigro ; posticæ linea marginæque obscurioribus.

———, *Roës. Ins.* i. cliii. pl. 3. *Deg. Ins.* ii. 348. *L'Admir.* pl. 4.

- Geometra fasciaria*, Schwarz, Raup. Kal. 313, 319.
Geometra cervinaria, Wien. Verz. 111, 1. Bork Eur. Schm. v. 339, 163. Sepp. Schm. iii. pl. 47. Hubn. Geom. pl. 62, f. 318.
Geometra clavaria, Haw. Lep. Brit. 302.
Larentia cervinata, Treit. Schm. vi. 2, 76, 1. Steph. Ill. Brit. Haust. iii. 211, 1. Herr.-Sch. Eur. Schm. iii. 166, 166.
Plerocymia cervinata, Hubn. Verz. Schm. 330, 3183.
Eubolia cervinaria, Dup. Lep. v. 173, pl. 182. Boisd. Ind. 202, 1608. Guen. Phal. ii. 485, 1700.

a—h. England. From Mr. Stephens' collection.

i—k. England.

l—n. Europe. From M. Becker's collection.

2. EUBOLIA MALVATA.

Fusco-rufa; *alæ anticæ vitta media transversa angulata, fascia alba dilucidata in medio interrupta maculari vel subnulla, linea marginali serrata albo notata.*

- Cidaria malvata*, Ramb. Ann. Soc. Ent. Fr. ii. 43, pl. 2, f. 7. Boisd. Ind. 214, 1769.
Eubolia malvata, Dup. Lep. Sup. iv. 22, pl. 22, f. 4. Guen. Phal. ii. 485, 1701.
Larentia malvaria, Herr.-Sch. Eur. Schm. iii. 166, 164, pl. 33, f. 200—202.

South France. Corsica.

3. EUBOLIA BASOCHESIATA.

Ferrugineo-cervina; *alæ anticæ spatium medio arcuato obscuriore maculis albis, linea undulata maculis elongatis nigris.*

- Eubolia basochesiata*, Dup. Lep. v. 558, pl. 210, f. 5. Guen. Phal. ii. 485, 1702.
Larentia basochesiaria, Herr.-Sch. Eur. Schm. iii. 166, 165, pl. 65, f. 397.
Cidaria basochesiaria, Boisd. Ind. 214, 1768.
 South France.

4. EUBOLIA MÆNIARIA.

Glauescente-cana, nigricante conspersa; alæ anticæ lineis nonnullis transversis denticulatis; linea interiore recta magis determinata nigricante extus fusco intus albido marginata, linea exterior alba valde angulata optime determinata intus nigro-fusco latissime marginata, striga apicali obliqua nigra; posticæ fuscescente-cinereæ, lineis exterioribus angulatis albidis.

Phalæna mæniaria, Scop. *Ent. Carn.* 226, 561. *Fabr. Ent. Syst.* iii. 2, 156, 97.

Phalæna fimbriata, *Fabr. Ent. Syst.* iii. 2, 187, 212.

Geometra mæniaria, *Wien. Verz.* 112, 1. *Bork. Eur. Schm.* v. 363, 176. *Schwarz. Beitr.* 94, pl. 15. *Esp. Schm.* v. 259, pl. 46, f. 2, 3. *Ill. N. Ausg. dess.* i. 451, 1. *Hubn. Geom.* pl. 58, f. 298.

Onychia mæniata, *Hubn. Verz. Schm.* 334, 3222.

Cidaria mæniaria, *Treit. Schm.* vi. 2, 173, 19.

Eubolia mæniaria, *Dup. Lep.* v. 164, pl. 182, f. 6. *Boisd. Ind.* 202, 1609. *Guen. Phal.* ii. 486, 1705.

Larentia mæniaria, *Herr.-Sch. Eur. Schm.* iii. 165, 160. *Delah. Schm.* 289.

Phalæna angulata, *Hufn. Berl. Mag.* iv. 6, 604, 61.

a, b. Europe. From M. Becker's collection.

c. Europe. From Mr. Milne's collection.

5. EUBOLIA MENSURIATA.

Cinerascente-cervina; alæ anticæ fasciis duabus, lineis duabus interioribus lineaque exterior fuscis, striga apicali obliqua nigricante; posticæ lineis duabus exterioribus fuscis.

———, *Deg. Ins.* ii. 350, pl. 5, f. 19.

Phalæna-Geometra chenopodiata? *Linn. Faun. Suec.* 1263.

Phalæna limitata, Scop. *Ent. Carn.* 228, 568.

Geometra mensuraria, *Wien. Verz.* iii. 2. *Bork. Eur. Schm.* v. 343, 164. *Ill. N. Ausg. dess.* i. 446, 2. *Hubn. Geom.* pl. 57, f. 193.

Geometra chenopodiata, *Esp. Schm.* v. 246, pl. 44, f. 6—8. *Haw. Lep. Brit.* 302.

Larentia mensuraria, *Treit. Schm.* vi. 2, 78, 2. *Herr.-Sch. Eur. Schm.* iii. 165, 162. *Delah. Schm.* 291.

Eubolia mensuraria, *Dup. Lep.* v. 171, pl. 182, f. 2. *Boisd. Ind.* 202, 1607. *Guen. Phal.* ii. 487, 1706.

Eubolia chenopodiata, *Steph. Ill. Brit. Haust.* iii. 211.

a—o. England. From Mr. Stephens' collection.

p, q. England. From Mr. King's collection.

r—w. England.

x, y. Europe. From M. Becker's collection.

z—bb. Switzerland. From Dr. Leach's collection.

6. EUBOLIA PALUMBARIA.

Purpurascence-cinerea; *antennæ maris subpectinatæ*; *alæ anticæ lineis duabus rectis ferrugineis, linea basali denticulata sæpe obsoleta, puncto discali nigro, striga apicali obliqua ferruginea*; *posticæ linea exteriorè sæpe obsoleta.*

Phalæna mucronata? *Scop. Ent. Carn.* 222, 552.

Phalæna luridata, *Hufn. Berl. Mag.* iv. 5, 526, 49. *Brahm. Ins. Kal.* ii. 1, 496, 354? *Bork. Eur. Schm.* v. 59, 24.

Geometra palumbaria, *Wien. Verz.* 102, 7. *Schwarz. Beitr.* pl. 21, f. 1, 2. *Bork. Eur. Schm.* v. 59, 24. *Schr. Faun. Boic.* ii. 2, 9, 1618. *Hubn. Geom.* pl. 42, f. 221. *Esp. Schm.* v. 265, pl. 46, f. 5, 6.

Ortholitha palumbata, *Hubn. Verz. Schm.* 338, 3257.

Aspilates palumbaria, *Treit. Schm.* vi. 1, 146, 12; vi. 2, 300.

Eubolia palumbaria, *Dup. Lep.* v. 147, pl. 181, f. 1. *Boisd. Ind.* 202, 1606. *Guen. Phal.* ii. 487, 1707.

Phasiane plumbaria, *Steph. Ill. Brit. Haust.* iii. 209.

Geometra palumbaria, *Haw. Lep. Brit.* 287.

Larentia palumbaria, *Herr.-Sch. Eur. Schm.* iii. 164, 154. *Delah. Schm.* 285.

a—c. England. Presented by Edw. Shepherd, Esq.

d—n. England. From Mr. Stephens' collection.

o. England. From Mr. King's collection.

p—w. England.

x—aa. Europe. From M. Becker's collection.

bb, cc. Europe. From Mr. Milne's collection.

7. EUBOLIA PERIBOLATA.

Schistacea; *antennæ maris subpectinatæ*; *alæ anticæ lineis undulatis nigricantibus, fasciis tribus ferrugineo-fuscis, 3a lata undulata, linea submarginali ferruginea, striga apicali obliqua obscuriore*; *posticæ cinereæ, linea submarginali pallida.*

Geometra peribolata, Hubn. *Geom.* pl. 92, f. 471.

Oncychia peribolata, Hubn. *Verz. Schm.* 334, 3221.

Cidaria peribolaria, Treit. *Schm. Sup.* x. 216.

Eubolia peribolata, Dup. *Lep.* v. 169, pl. 182, f. 3. Boisd. *Ind.* 202, 1610. Guen. *Phal.* ii. 488, 1708.

Larentia peribolaria, Herr.-Sch. *Eur. Schm.* iii. 163, 150, pl. 9, f. 52.

a, b. Europe. From M. Becker's collection.

8. EUBOLIA PROXIMARIA.

Albido-cinerea; *alæ anticæ puncto, linea fasciæque media undulata nigris.*

Eubolia proximaria, Ramb. *Soc. Ent. Fr.* ii. 40, pl. 2, f. 7. Dup. *Lep. Sup.* iv. 26, pl. 52, f. 6. Guen. *Phal.* ii. 489, 1709.

Corsica.

9. EUBOLIA BIPUNCTARIA.

Cana, fusco conspersa; thorax glaucescens; alæ fimbria albida; anticæ spatio medio obscuriore, lineis nonnullis angulosis fuscis, punctis duobus discalibus nigris; posticæ cinereæ, lineis vix conspicuis.

Phalæna undulata, Scop. *Ent. Carn.* 223, 555.

Geometra bipunctaria, Wien. *Verz.* 111, 5. Esp. *Schm.* v. pl. 48, f. 1, 2. Hubn. *Geom.* pl. 53, f. 276. Haw. *Lep. Brit.* 303.

Entephria bipunctaria, Hubn. *Verz. Schm.* 332, 3197.

Eubolia bipunctaria, Dup. *Lep.* v. 186, pl. 182, f. 5. Boisd. *Ind.* 202, 1616. Guen. *Phal.* ii. 490, 1712.

Geometra Gachtaria, Frey. *Beitr.* v. pl. 594, f. 5.

Larentia bipunctaria, Treit. *Schm.* vi. 2, 87, 7. Steph. *Ill. Brit. Haust.* iii. 213, 3. Herr.-Sch. *Eur. Schm.* iii. 167, 168. Delah. *Schm.* 293.

a—h. England. From Mr. Stephens' collection.

i, j. England. From Mr. King's collection.

k—n. England.

o, p. Europe. From M. Becker's collection.

10. EUBOLIA NICINARIA.

Cinerea, E. bipunctariæ affinis, minor; palpi breviores, non rostriformes; alæ anticæ strigis duabus albidis, 2a dentata.

Eubolia vicinaria, *Dup. Lep.* v. 188, pl. 182, f. 4. *Guen. Phal.* ii. 491, 1713.

Larentia vicinaria, *Herr.-Sch. Eur. Schm.* iii. 165, 163, pl. 62, f. 384.

South France.

11. EUBOLIA BURGARIA.

Cinereo-alba, *E. vicinariæ affinis*; *antennæ maris ramis brevissimis*; *alæ anticæ lineis niveis, spatio medio marginibus tantum nigro-cinereis, puncto discali nullo*; *posticæ linea vix conspicua*.

Eubolia burgaria, *Eversm. Bull. Soc. Imp. Nat. Mosc.* 1843; *Faun. Volg.-Ural.* 423. *Guen. Phal.* ii. 491, 1714.

Larentia burgaria, *Herr.-Sch. Eur. Schm.* iii. 165, 159, pl. 9, f. 51.

Ural District.

12. EUBOLIA COARCTARIA.

Cana, fusco dense conspersa; *alæ linea marginali nigricante, fimbria interlineata*; *anticæ lineis plurimis fuscis rectis aut subundulatis plus minusve determinatis, puncto discali nigro*; *posticæ cinereæ, lineis tribus fuscis indistinctis*.

Geometra coarctaria, *Wien. Verz.* 102, 3. *Hubn. Geom.* pl. 42, f. 219. *Ill. N. Ausg. dess.* i. 1, 392, 3.

Phalæna coarctaria, *Fabr. Ent. Syst.* iii. 2, 200, 261.

Geometra virgaria? *Esp. Schm.* v. pl. 48, f. 3.

Ortholitha coarctata, *Hubn. Verz. Schm.* 338, 3258.

Aspilates coarctaria, *Treit. Schm.* vi. 1, 143, 10.

Eubolia coarctaria, *Dup. Lep.* v. 357, pl. 195, f. 4. *Boisd. Ind.* 202, 1614. *Guen. Phal.* ii. 492, 1716.

Larentia coarctaria, *Herr.-Sch. Eur. Schm.* iii. 163, 152, pl. 47, f. 288.

South France. Austria. Styria. South Russia.

a, b. Europe. From M. Becker's collection.

Group 2.

13. EUBOLIA LINEOLATA.

Cinerea; *alæ lineis plurimis rectis fusciscentibus, linea marginali nigricante interrupta, fimbria interlineata*; *anticæ puncto discali nigricante*.

Phalæna virgata, *Hufn. Berl. Mag.* iv. 6, 608, 74; *Naturf.* xi. 83, 74.

Geometra lineolata, *Wien. Verz.* 102, 1. *Bork. Eur. Schm.* v. 51, 19. *Brahm, Ins. Kal.* ii. 1, 154, 147. *Hubn. Geom.* pl. 60, f. 311. *Haw. Lep. Brit.* 340. *Ill. N. Ausg. dess.* i. 391, 1; *N. Mag.* ii. 157, 1.

Mesotype lineolata, *Hubn. Verz. Schm.* 339, 3264.

Aspilates lineolata, *Treit. Schm.* vi. 1, 144, 11.

Phibalapteryx lineolata, *Steph. Ill. Brit. Haust.* iii. 257, 5.

Eubolia lineolata, *Dup. Lep. Sup.* iv. 377, pl. 80, f. 7. *Eversm. Faun. Volg.-Ural.* 374. *Guen. Phal.* ii. 493, 1717.

Larentia lineolaria, *Boisd. Ind.* 206, 1660. *Herr.-Sch. Eur. Schm.* iii. 163, 153.

a—w. England. From Mr. Stephens' collection.

x—cc. England.

dd—gg. Europe. From M. Becker's collection.

North America.

14. EUBOLIA CUSTODIATA.

Mas. Pallide cinerascens; antennæ robustæ, vix pubescentes; alæ anticæ productæ, obtusæ, spatio medio nigricante lineas vagas punctumque discale includente, linea interiore arcuata denticulata, fascia adhuc interiore fuscescente, linea exteriori denticulata, hujus angulo brevi obtuso, spatio marginali obscuriore lineam submarginalem vagam includente; posticæ albo-cinereæ, puncto lineisque duabus cinereis.

Eubolia custodiata, *Guen. Phal.* ii. 491, 1715.

California.

South America.

15. EUBOLIA? LIBURNARIA.

Fœm. Cervino-cinerea; alæ anticæ acutæ, subfalcatae, spatio medio lineas rufescentes denticulatas includente, linea exteriori e punctis albis notata, linea submarginali e strigulis albis, maculis marginalibus nigro-cinereis indistinctis, fimbria rufescente apice alba; posticæ margine exteriori flexo.

Eubolia? liburnaria, *Guen. Phal.* ii. 486, 1703.

Chili.

Africa.

16. EUBOLIA NICTITARIA.

Testacea; alæ anticæ lineis plurimis subundulatis obscurioribus, linea exteriori magis determinata extus pallido marginata, punctis adhuc exterioribus; posticæ cinereæ, fascia albida.

Larentia nictitaria, Herr.-Sch. Exot. Schm. iii. pl. 78, f. 451.

Eubolia nictitaria, Guen. Phal. ii. 486, 1704.

Cape.

17. EUBOLIA? DISPUTARIA.

Mas. *Fuliginoso-testacea; caput flavescent; antennæ pectinatæ; alæ anticæ umbris mediis obliquis costam non attingentibus, linea exteriori obliqua biarcuata, linea adhuc exteriori, fascia adhuc exteriori nigricante; posticæ pallidiores, fasciola nigricante recta antice abbreviata.*

Eubolia? disputaria, Guen. Phal. ii. 489, 1710.

Egypt.

18. EUBOLIA MEGALARIA.

Mas. *Cinerascens; antennæ pectinatæ; alæ anticæ lineis plurimis nigricantibus undulatis parallelis, lineis interiore et exteriori intus nigricante nebulosis non angulatis, 1a duplicata, linea submarginali minus determinata, macula discali magna nigra; posticæ pallidæ cinereæ, lineis duabus vix determinatis.*

Eubolia megalaria, Guen. Phal. ii. 489, 1711.

Caffraria.

Genus 2. CARSIA.

Corpus vix gracile. Frons rude squamosa. Proboscis robusta. Palpi squamoso-hirsuti, incumbentes, rostriformes; articuli indistincti. Antennæ maris pubescentes, breviusculæ. Abdomen maris longum, gracile. Pedes longi, graciles; tibiæ anticæ breves; tibiæ posticæ calcaribus quatuor breviusculis. Alæ anticæ latæ, lineis bene determinatis, puncto discali obsoleto, fimbria intercisa, margine interiore convexo; posticæ angustæ.

Carsia, Hubn. Verz. Schm. 336. Guen. Phal. ii. 493.

Larissa, Curt.

Celma, *Steph.*

Larentia, p., *Herr.-Sch.*

Anaitis, p., *Boisd.*; *Dup.*; *Leder.*

Body slightly stout. Front largely squamous. Proboscis robust. Palpi squamous-hirsute, incumbent, rostriform; joints indistinct. Antennæ of the male pubescent, rather short. Abdomen of the male long and slender. Legs long, slender; fore tibiæ half the length of the fore femora; hind tibiæ with four rather short spurs. Fore wings broad, with distinct lines; discal point obsolete; fringe indented; interior border convex. Hind wings narrow.

1. *CARSIA IMBUTATA.*

Schistacea; *alæ fimbria albida fusco notata*; *antica rufescente tinctæ*, *lineis nonnullis fasciisque tribus nigricantibus*, *his incompletis*; *posticæ fusciscente-cinereæ*.

Geometra imbutata, *Hubn. Geom. f.* 403.

Carsia imbutata, *Hubn. Verz. Schm.* 336, 3239. *Guen. Phal. ii.* 494, 1718.

Larentia sororiata, *Treit. Schm. vi.* 2, 86, 6.

Larissa imbutata, *Curt. Brit. Ent. pl.* 324.

Celma imbutata, *Steph. Ill. Brit. Haust. iii.* 242, 1.

Anaitis imbutata, *Boisd. Ind.* 204, 1631.

Larentia sororiaria, *Herr.-Sch. Eur. Schm. iii.* 164, 158. *Delah. Schm.* 130. *Guen. Phal. ii.* 494, 1718.

Eubolia sororiata, *Dup. Lep. v.* 335, pl. 194, f. 7.

a—f. England. From Mr. Stephens' collection.

g—i. England. From Mr. Bouchard's collection.

j—m. England. From Mr. King's collection.

n. England.

o. Scotland. From Mr. Foxcroft's collection.

2. *CARSIA PALUDATA.*

C. imbutatæ major; *alæ latiores*; *antica magis cyanescente-cinereæ*, *fundo albo squamis albis*, *fasciis duabus angustis remotis*, *2a e lineis duabus distinctis minus angulatis*, *linea submarginali tenuiore*; *posticæ obscuriores*.

Anaitis paludata, *Thunb. Herr.-Sch. Eur. Schm. iii.* 164.

Carsia paludata, *Guen. Phal. ii.* 494, 1719.

C. imbutata, *var. ?*

Lapland.

3. *CARSIA SORORIATA*.

C. imbutatæ major, pallidior; alæ anticæ lituris diversis; posticæ fimbria alba non interlineata.

Geometra sororiata, Hubn. Geom. pl. 68, f. 355.

Carsia sororiata, Guen. Phal. ii. 495, 1720.

C. imbutata, var.?

Germany?

Genus 3. *ANAITIS*.

Corpus gracile. Frons squamosa, inter palpas producta. Proboscis robusta. Palpi acuti, frontem superantes. Antennæ longæ, filiformes, non setulosæ. Abdomen longum, depressum, fœminæ apicē subrecurvum vix acutum. Pedes squamosi; tibiæ anticæ fusiformes, breves, ungula apicali flexa; tibiæ posticæ calcaribus quatuor sat longis. Alæ oblongæ, sublanceolatae; anticæ acutæ, sæpe subfalcatae, lineis conspicuis, puncto discali nullo, fimbria incisa.

Carsia, p., et Mesotype, Hubn. Verz. Schm. 336, 338.

Anaitis, Dup. Lep. iv. 111; Boisd.; Leder.; Guen. Phal. ii. 495.

Aspilates, p., Treit.

Larentia, p., Treit.

Larentia, p., et Chesias, p., Herr.-Sch.

Body slender. Front squamous, projecting between the palpi. Proboscis stout. Palpi squamous, paler beneath at the base, extending beyond the front, forming an acute rostrum; third joint extremely minute. Antennæ long, filiform, not setulose, slightly velvety beneath in the male. Abdomen long, depressed, slightly conical, with prominent apical valves in the male, slightly recurved and hardly acute at the tip in the female. Legs squamous; fore tibiæ fusiform, less than half the length of the fore femora, with a crooked appendage at the tip; hind tibiæ with four moderately long spurs. Wings oblong, somewhat lanceolate. Fore wings acute, often slightly falcate; lines very distinct; no discal point; fringe indented.

Europe and West Asia.

1. ANAITIS MUNDULATA.

Pallide subcervina ; alæ anticæ acutæ, falcatæ, lineis duabus badiis subsinuatis bene determinatis flavo submarginatis postice approximatiss, puncto discali distincto, apice subtus roseæ ; posticæ linea media subobsoleta, subtus roseæ.

Anaitis mundulata, *Guen. Phal.* ii. 497, 1721.

Beyrout.

2. ANAITIS COLUMBATA.

Cinereo-cervina ; antennæ maris robustæ ; alæ anticæ lineis vix undulatis fasciisque duabus margineque exteriori obscurioribus ; posticæ pallidiores, lituris nullis.

Anaitis columbata, *Metzner, Ent. Zeit. Stett.* 1845, vi. 188, 4. *Guen. Phal.* ii. 497, 1723.

Geometra columbata, Frey. Beitr. pl. 521.

Chesias nomadaria, Eversm. Herr.-Sch. Eur. Schm. iii. 182, 221, pl. 64, f. 395.

South Russia. European Turkey.

3. ANAITIS LITHOXYLATA.

Subcarneo-fuscescens ; antennæ filiformes ; alæ anticæ acutæ, subfalcatæ, lineis plurimis undulatis bene determinatis saturate fuscis, tribus subparallelis, 4a magis flexa, 5a aut umbra media rectiore latiore, 6a exteriori magis sinuata et denticulata, 7a submarginali duplicata, spatio marginali nigro-fusco, margine exteriori convexo ; posticæ supra lituris nullis.

Geometra lithoxylata, Hubn. Geom. pl. 42, f. 218.

Mesotype lithoxylata, Hubn. Verz. Schm. 338, 3262.

Aspilates lithoxylata ? Treit. Schm. vi. 2, 299.

Anaitis lithoxylata, *Guen. Phal.* ii. 497, 1724.

Amasieh.

4. ANAITIS NUMIDATA.

Subpurpurascens-cana ; alæ anticæ fasciis quinque ferrugineis interlineatis nigro punctatis plus minusve undulatis aut angulatis, punctis marginalibus nigris, fimbria ferrugineo notata ; posticæ subcervino-cinereæ.

Chesias numidata, Herr.-Sch. Eur. Schm. Sup. 80. f. 514.

Anaitis numidata, Guen. Phal. ii. 498, 1726.

Amasieh.

5. ANAITIS OBSITARIA.

Albo-cinerea; *alæ anticæ pulverulentæ, lineis plurimis undulatis maculisque tribus costalibus lignoso-fuscis, harum duabus postice diffusis, striga apicali obsoleta aut vix conspicua; posticæ fuscescente-cinereæ.*

Anaitis obsitaria, Leder. Geom. Europ. 100. Guen. Phal. ii. 499, 1727.

Diarbekir.

6. ANAITIS PRÆFORMATA.

A. plagiata major; *alæ anticæ fasciis duabus antice saturatioribus, litura interiore trilineata rufescente punctum album includente, fascia 2a dentibus magis rotundatis, striga apicali rufo magis suffusa.*

———, De Vill. Ent. Linn. ii. 343, pl. 6, f. 12.

Geometra præformata, Hubn. Geom. f. 532.

Larentia cassiata, Treit. Schm. vi. 2, 85, 5.

Anaitis præformata, Dup. Lep. v. 355, pl. 195, f. 1. Steph. Ill. Brit. Haust. iii. 244, 2? Boisd. Ind. 204, 1634. Guen. Phal. ii. 499, 1728.

Larentia cassiata, Herr.-Sch. Eur. Schm. iii. 164, 157. Delah. Schm. 287.

Alpine mountains of Europe.

7. ANAITIS PLAGIATA.

Rufescente-cinerea; *alæ anticæ conspersæ, peracutæ, lineis quinque fuscis undulatis triplicatis plus minusve fusco nebulosis, striga apicali rufa; posticæ pallidiores, lituris nullis.*

———, Geoffr. Ins. ii. 148, 78. De Vill. Ent. Linn. ii. 343, 524, pl. 6, f. 12.

Phalæna-Geometra plagiata, Linn. Syst. Nat. i. 2, 869, 248; Faun. Suec. 1271. Clerck, Icon. pl. 6, f. 1.

Phalæna duplicata, Fabr. Ent. Syst. iii. 2, 193, 234. Schwarz. Beitr. 170, pl. 21, f. 8. Donovan. Brit. Ins. vii. pl. 233, f. 2. Rossi, Faun. Etrusc. ii. 194, 1170. Fuess. Schw. Ins. 40, 781.

Geometra plagiata, *Wien. Verz.* 111, 4. *Bork. Eur. Schm.* v. 346, 166. *Schr. Faun. Boic.* ii. 36, 1664. *Hubn. Geom.* pl. 42, f. 220. *Haw. Lep. Brit.* 308. *Ill. N. Ausg. dess.* i. 447, 4.

Carsia plagiata, *Hubn. Verz. Schm.* 336, 3237.

Larentia plagiata, *Treit. Schm.* ii. 82, 4.

Anaitis plagiata, *Dup. Lep.* v. 352, pl. 195, f. 2, 3. *Steph. Ill. Brit. Haust.* iii. 243, 1. *Boisd. Ind.* 204, 1633. *Guen. Phal.* ii. 499, 1729.

Larentia plagiaria, *Herr.-Sch. Eur. Schm.* iii. 164, 156. *Delah. Schm.* 286.

a—c. England. Presented by H. Doubleday, Esq.

d—o. England. From Mr. Stephens' collection.

p. England.

q—t. Europe. From M. Becker's collection.

v. Italy. From Dr. Leach's collection.

u. ———?

8. ANAITIS EFFORMATA.

A. plagiatae valde affinis, minor; alae anticae pallidiores, fasciis e lineis minus determinatis non infuscatis dentibus obtusioribus, 2a arcuata vix sinuata, spatio apicali pallide ferrugineo.

Anitis efformata, *Guen. Phal.* ii. 500, 1730.

Syria.

9. ANAITIS BOISDUVALLATA.

Glauescente-cana; alae anticae fasciis quatuor obliquis subrectis nigricantibus albido marginatis, linea submarginali albida vix undulata, striga apicali obliqua albida; posticae cinerea.

Anaitis Boisduvallata, *Dup. Lep.* v. 560, pl. 210, f. 6. *Boisd. Ind.* 204, 1635. *Guen. Phal.* ii. 501, 1731.

Larentia annexata, *Treit. Schm. Sup.* x. 209.

Geometra annexata, *Frey. Beitr.* iii. 22, 122, pl. 132, f. 2.

Larentia Boisduvallata, *Herr.-Sch. Eur. Schm.* iii. 164, 156, pl. 7, f. 41.

Odessa. Crimea. South Russia.

10. ANAITIS SIMPLICIATA.

Cerulescente-cinerea; alae anticae fasciis interruptis, atomis plurimis punctisque marginalibus nigris, fimbria albo nigroque varia; posticae cinerea.

Larentia simplicciata, *Treit. Schm. Sup. x.* 210. *Herr.-Sch. Eur. Schm. iii.* 182, 210.

Anaitis simplicciata, *Guen. Phal. ii.* 501, 1732.

Anaitis magdalinaria, *Bellier, Ann. Soc. Ent. Fr.* 1856, 23, pl. 1, f. 1.

Anaitis Pierettaria, *Guillemot, Ann. Soc. Linn. Clerm.*

South France. Anatolia. Bannat.

North America.

11. ANAITIS CONTINUATA.

Fœm. Pallide cinerea; palpi porrecti, caput paullo superantes; alæ punctis marginalibus guttaque discali nigris; anticæ vix acutæ, fusco conspersæ, lineis duabus atris obliquis, 1a subrecta, 2a subundulata; posticæ nigro conspersæ.

Female. Pale cinereous. Palpi porrect, extending a little beyond the head. Wings with black marginal points; discal dot black, very distinct on the under side. Fore wings hardly acute, transversely brown-speckled, with two deep black lines; interior line nearly straight; exterior line slightly undulating, more oblique than the interior line; exterior border hardly convex, rather oblique. Hind wings minutely black-speckled. Length of the body 5? lines; of the wings 14 lines.

a. East Florida. Presented by E. Doubleday, Esq.

Mexico.

12. ANAITIS? TOGATARIA.

Fœm. Fuscescente-cinerea; palpi oblique ascendentes; alæ anticæ subacutæ, lineis duabus exterioribus obliquis rectis parallelis pallido marginatis; posticæ pallide cinereæ, lineis duabus diffusis.

Female. Brownish cinereous, rather stout. Palpi robust, obliquely ascending, rising higher than the vertex; third joint conical, very minute. Fore wings slightly acute, with two straight oblique parallel slightly darker pale-bordered lines towards the exterior border; marginal line darker brown, slightly festooned; exterior border slightly convex, rather oblique. Hind wings pale cinereous, with two lines which are more diffuse than those of the fore wings; marginal line as in the fore wings. Length of the body 7 lines; of the wings 18 lines.

This species hardly belongs to *Anaitis*, but its characters are not sufficiently prominent for the formation of a new genus.

a. Oajaca, Mexico. From M. Sallé's collection.

West Indies.

13. ANAITIS DOMINATARIA.

Fœm. *Albido-cinerea; palpi nigricantes; humeri atro strigati; alæ anticæ vix purpurascente tinctæ, fasciis tribus e lineis obliquis nigricantibus, 2a nigro-fusco nebulosa, 3a antice nebulosa maculam discalem nigram includente, striga subapicali nigra obliqua diffusa maculari; posticæ cervino suffusæ, lineis cervinis apud marginem interiorem conspicuis.*

Female. Whitish cinereous. Palpi blackish. Thorax with a deep oblique streak on each side in front. Fore wings acute, with an indistinct lilac tinge and with three oblique blackish bands; first band near the base, composed of three lines; second also composed of three lines, but with nearly all the enclosed part blackish brown; third in front with three clouded lines, which are interrupted by a blackish spot, behind which they are wider apart and unclouded; subapical streak black, oblique, diffuse, macular; marginal line black, festooned. Hind wings suffused with fawn-colour, excepting the interior part hindward, where there are denticulated fawn-coloured lines; marginal line like that of the fore wings. Wings beneath with a black discal dot, a brown exterior slightly angular line, and a brown marginal band. Length of the body 6 lines; of the wings 20 lines.

a. St. Domingo. From Mr. Hearse's collection.

Asia.

14. ANAITIS PUDICATA.

Fœm. *Testaceo-cinerea; alæ anticæ purpureo-roseo suffusæ, lineis duabus flavescendo-albis, 1a recta, 2a subflexa; posticæ ochraceo-albæ, roseo tinctæ.*

Anaitis pudicata, Guen. *Phal.* ii. 497, 1722.

Hindustan.

15. ANAITIS FULGURATA.

Fœm. *Carneo-alba; alæ anticæ nigro-fusco et fulvo-fusco variæ, lineis tribus pallidis angulatis, spatio basali fusco, nebula exteriorè fulva, fasciis duabus mediis fuscis, 1a interrupta, 2a angulata, umbra apicali obliqua fusca fulvo varia, fimbria fusca; posticæ albæ, lituris nullis.*

Anaitis fulgurata, Guen. Phal. ii. 498, 1725.

Hindustan.

16. ANAITIS? MACROCALATA.

Fœm. *Cinereo-cervina; palpi subascendentes, subflexi, articulo 3o albido; alæ subtus pallide ochraceæ; anticæ læte cervinæ, fasciis tribus nigro-fuscis albido marginatis, 1a interrupta, 2a intus excavata, 3a extus angulata, linea intermedia lata plagaque costali subapicali albidis, plagis duabus marginalibus elongatis cinereis; posticæ albidæ.*

Female. Cinereous fawn-colour. Palpi slightly ascending and bent; third joint conical, minute, whitish. Legs smooth, rather long and slender; spurs long. Wings produced, pale ochraceous beneath. Fore wings acute, much elongated, bright fawn-colour, with three irregular blackish brown whitish-bordered bands; first band near the base, interrupted in the middle; second deeply notched on the inner side, separated from the third by a whitish oblique line, which is narrowest in the middle and is dilated in front; third band acutely angular on the outer side, where its whitish border is forked and diffused towards the costa; the succeeding fawn-coloured band contains between it and the exterior border (to which it extends in the middle) two cinereous fusiform patches; fringe dark brown. Hind wings whitish, broadly fringed along the interior border. Length of the body 6 lines; of the wings 20 lines.

Hindustan. In Mr. Saunders' collection.

Genus 4. LITHOSTEGE.

Corpus gracile. Frons convexa. Palpi lati, contigui, frontem superantes. Antennæ maris læves, appressæ, subtus velutinæ. Abdomen maris longum, non conicum, apice obtusum. Pedes antici validi; femora extus dilatata, intus excavata; tibiæ femoribus non

breviores, cornu apicali crasso. Alæ sæpissime innotatæ, fimbria longa; anticæ elongatæ; posticæ angustæ.

Gypsochroa, p., *Hubn. Verz. Schm.* 336.

Lithostege, *Hubn. Verz. Schm.* 337; *Leder.*; *Guen. Phal.* ii. 501.

Minoa, p., *Treit.*

Siona, p., *Dup.*; *Boisd.*

Anaitis, p., *Boisd.*

Eubolia, p., *Boisd.*

Chesias, p., *Herr.-Sch.*

Body slender. Front convex, prominent. Palpi broad, contiguous, extending beyond the front. Antennæ of the male smooth, flattened, velvety beneath. Abdomen of the male long, not conical, obtuse at the tip. Fore legs robust; femora dilated on the outer side, excavated on the inner side; tibiæ as long as the femora, armed at the tips with a very robust claw. Wings generally without markings; fringe long. Fore wings elongated. Hind wings narrow, much shorter.

Group 1.

1. LITHOSTEGE STEPPARIA.

Pallide cinereo-pulverulenta; alæ anticæ fasciis tribus obliquis obscurioribus, 1a sinuata angustissima; posticæ albæ.

Larentia stepparia, *Kindermann, Boisd. Ann. Soc. Ent. Fr.* 2me Sér. vi. *Bull.* xxx. 15.

Chesias Bosporaria, *Herr.-Sch. Eur. Schm.* iii. 182, 219, pl. 327.

Lithostege Bosporaria, *Guen. Phal.* ii. 502, 1733.

Odessa? South Russia. Constantinople.

Group 2.

2. LITHOSTEGE GRISEATA.

Cinerea; alæ anticæ apice linea obliqua obscuriore.

———, *De Vill. Ent. Linn.* iv. 506.

Geometra griseata, *Wien. Verz.* 116, 2. *Bork. Eur. Schm.* v. 484, 237. *Hubn. Geom.* pl. 41, f. 216. *Ill. N. Ausg. dess.* i. 472, 2.

Phalæna asinata, *Fabr. Ent. Syst.* iii. 2, 184, 199.

Lithostege griseata, *Hubn. Verz. Schm.* 337, 3248. *Guen. Phal.* ii. 502, 1734.

Minoa griseata, *Treit. Schm.* vi. 2, 253, 4. *Dup. Lep.* v. 544, pl. 209, f. 5.

Siona grisearia, *Boisd. Ind.* 228, 1927.

Chesias grisearia, *Herr.-Sch. Eur. Schm.* iii. 183, 223.

South France. Bavaria. Austria. South Russia.

3. LITHOSTEGE ASINATA.

L. griseatæ simillima; *alæ anticæ lineis obliquis rectis denticulatis vagis, umbra exteriori magis determinata, linea submarginali alba dentibus rotundatis, fimbria cinereo punctata.*

Geometra asinata, *Frey. Beitr.* pl. 132, f. 2.

Geometra duplicata, *Hubn. Geom.* f. 491.

Minoa asinata, *Treit. Schm. Sup.* x. 220.

Siona asinaria, *Boisd. Ind.* 228, 1928.

Eubolia coassaria, *Boisd. Ind.* 202, 1613.

Chesias coassaria, *Herr.-Sch. Eur. Schm.* iii. 182, 220, pl. 7, f. 43.

Lithostege asinata, *Guen. Phal.* ii. 503, 1735.

Odessa. Sarepta.

4. LITHOSTEGE DUPLICARIA.

Albida; *alæ anticæ glaucescente subinctæ, lineis duabus obliquis subrectis nigricantibus, nebula subcervina lineam lam albo marginatam includente, striga apicali obliqua nigra.*

Geometra duplicaria, *Hubn. Geom.* pl. 40, f. 208.

Anaitis duplicaria, *Boisd. Ind.* 204, 1612. *Eversm. Faun. Volg.-Ural.* 437.

L. asinatæ, var. ? *Herr.-Sch.*

Lithostege duplicaria, *Hubn. Verz. Schm.* 337, 3247. *Guen. Phal.* ii. 503, 1736.

Prussia. Italy?

5. LITHOSTEGE NIVEARIA.

Alba; *alæ anticæ margaritaceo-albæ, maris subtus disco cinereo, striga discali subtus nigricante.*

———, *De Vill. Ent. Linn.* iv. 498.

Geometra nivearia, *Wien. Verz.* 116, 4. *Bork. Eur. Schm.* v. 242.

Schr. Faun. Boic. ii. 2, 54, 1693. *Hubn. Beitr.* iii. pl. 3, f.

R; *Geom.* pl. 41, f. 217.

Phalæna nivearia, *Fabr. Ent. Syst.* iii. 2, 150, 77. *Scop. Ent. Carn.* 217, 539.

Phalæna farinata, *Hufn. Berl. Mag.* iv. 6, 610, 78; *Naturf.* xi. 84, 78.

Geometra farinata, *Bork. Eur. Schm.* v. 486, 239.

Gypsochroa niveata, *Hubn. Verz. Schm.* 337, 3244.

Minoa niveata, *Treit. Schm.* vi. 2, 254, 5.

Siona nivearia, *Dup. Lep.* v. 543, pl. 209, f. 4. *Boisd. Ind.* 228, 1926.

Chesias nivearia, *Herr.-Sch. Eur. Schm.* iii. 183, 224.

Lithostege nivearia, *Guen. Phal.* ii. 503, 1737.

France. Germany. South Russia. Sicily.

6. LITHOSTEGE CYENARIA.

L. niveariæ simillima; *alæ anticæ lineis tribus e atomis nigricantibus*, 1a angulata, 2a arcuata denticulata, 3a recta magis obliqua; *posticæ albæ*.

Lithostege cyenaria, *Boisd. MSS. Guen. Phal.* ii. 504, 1738.

France?

7. LITHOSTEGE ODESSARIA.

L. nivearia paullo minor; *alæ anticæ rufescente-subcinereæ, ciliis pallidioribus concoloribus*; *posticæ obscuriores*.

Siona Odessaria, *Kindermann, Boisd. Ann. Soc. Ent. Fr. 2me Sér.* vi. *Bull.* xxx. 16.

Chesias Odessaria, *Herr.-Sch. Eur. Schm. Sup.* 80, f. 512.

Lithostege Odessaria, *Guen. Phal.* ii. 504, 1739.

Odessa.

8. LITHOSTEGE FLAVICORNATA.

Argillaceo-flava; *alæ lituris flavis, spatio marginali vix cinerascens*; *anticæ subtus disco cinereo striga discali nigricante*.

Anaitis flavicornata, *Zell. Isis*, 1847, 20.

Chesias flavicornaria, *Herr.-Sch. Eur. Schm.* iii. 183, 227, f. 455.

Lithostege flavicinctata, *Guen. Phal.* ii. 504, 1740.

Anatolia.

9. LITHOSTEGE INFUSCATA.

Pallidissime flavescente-fusca; alæ anticæ acutæ, apud marginem anteriorem subobscuriores; posticæ albida, flavescente-fusco vix tinctæ.

Anaitis infuscata, Eversm. Bull. Soc. Imp. Nat. Mosc. 1837, 63; Faun. Volg.-Ural. 435.

Lithostege infuscata, Guen. Phal. ii. 505, 1741.

Sarepta.

Genus 5. CHESIAS.

Corpus gracile. Frons valde convexa. Proboscis brevis. Palpi lati, contigui, rostriformes, subsecuriformes, squamoso-hirsuti; articulus 3us brevissimus. Antennæ glabræ. Abdomen sericeum, læve, supra depressum, subtus excavatum. Pedes sat robusti; tibiæ anticæ brevissimæ, cornu apicali robusto acuto; posticæ calcaribus quatuor sat longis. Alæ sericeæ, integræ, amygdaliformes; anticæ lanceolata, lineis bene determinatis; posticæ rotundata.

Chesias, Treit. Schm. vi. 1, 330; Dup.; Boisd.; Steph.; Curt.; Guen.; Herr.-Sch.

Eucestia, Hubn. Verz. Schm. 322.

Body slender. Front very convex. Proboscis short. Palpi broad, contiguous, rostriform, subsecuriform, squamous-hirsute; third joint very short. Antennæ simple, smooth. Abdomen silky, smooth, depressed above, excavated; tip abruptly acuminate in both sexes. Legs moderately stout; fore tibiæ very short, with a robust acute apical claw; hind tibiæ with four moderately long spurs. Wings silky, entire, almond-shaped. Fore wings lanceolate, with distinct lines. Hind wings rounded.

1. CHESIAS SPARTIATA.

Subcervina; alæ anticæ schistaceo variæ, vitta subcostali subochraceo-albida, linea submarginali albida denticulata; posticæ subcervino-albidæ.

Phalæna spartiata, Fabr. Ent. Syst. iii. 2, 181, 188. Donovan. Brit. Ins. x. pl. 342, f. 2. Fuessl. Arch. ii. pl. 11, f. 1—6.

Geometra spartiata, Bork. Eur. Schm. v. 569, 319. Hubn. Geom. pl. 36, f. 187. Haw. Lep. Brit. 339.

Eucestia spartiata, Hubn. Verz. Schm. 322, 3109.

Geometra sombryana, *De Vill. Ent. Linn.* 424, pl. 6, f. 24.

Chesias spartiata, *Treit. Schm.* vi. 331, 1. *Dup. Lep.* v. 500, pl. 206, f. 1. *Steph. Ill. Brit. Haust.* iii. 270, 1. *Sepp, Schm.* v. pl. 45. *Boisd. Ind.* 212, 1738. *Herr.-Sch. Eur. Schm.* iii. 181, 218. *Delah. Schm.* 328. *Guen. Phal.* ii. 506, 1742.

a—h. England. From Mr. Stephens' collection.

i. England. From Mr. King's collection.

j, k. England.

l, m. Europe. From M. Becker's collection.

2. CHESIAS OBLIQUARIA.

Subschistacea; alæ anticæ venis nigro lineolatis, fasciis duabus obliquis dentatis spatioque marginali cervinis, illis nigricante marginatis nonnunquam vacuis, linea submarginali albida subrecta, lunulis marginalibus nigris; posticæ subcervino-cinereæ.

———, *De Vill. Ent. Linn.* ii. 372, 593.

Geometra obliquaria, *Wien. Verz.* 102, 6. *Bork. Eur. Schm.* v. 58, 23. *Ill. N. Ausg. dess.* i. 393, 6. *Hubn. Geom.* pl. 43, f. 225; pl. 82, f. 423.

Phalæna rufata, *Fabr. Ent. Syst.* iii. 2, 181, 186.

Geometra bombycata, *Donov. Brit. Ins.* xi. pl. 386, f. 4. *Hubn. Beitr.* i. pl. 2, k.

Geometra rufata, *Haw. Lep. Brit.* 322.

Enartia obliquaria, *Hubn. Verz. Schm.* 322, 3110.

Chesias obliquaria, *Treit. Schm.* vi. 1, 340, 6. *Dup. Lep.* v. 503, pl. 206, f. 2. *Steph. Ill. Brit. Haust.* iii. 2, 270, 2. *Boisd. Ind.* 212, 1739. *Herr.-Sch. Eur. Schm.* iii. 181, 217. *Delah. Schm.* 327. *Guen. Phal.* ii. 506, 1743.

a—f. England. From Mr. Stephens' collection.

g—l. England.

m, n. Europe. From M. Becker's collection.

Fam. 21. SIONIDÆ.

Corpus sæpissime gracile. Frons subconvexa. Palpi breves, graciles. Antennæ sæpissime glabræ, non ciliatæ. Pedes graciles. Alæ integræ concolores, lituris paucis; posticæ subretractæ. *Mas.*—Abdomen apice obtusum, nonnunquam tumidum.

Sionidæ, *Guen. Phal.* ii. 508.

Body generally slender. Front slightly convex. Palpi short, slender. Antennæ very generally smooth, without ciliæ. Legs slender. Wings entire, alike in colour, with but few markings. Hind wings with the interior angle abbreviated or the exterior border truncated. *Male*.—Abdomen obtuse or tumid at the tip. *Female*.—Abdomen hardly stouter than that of the male.

A. Tibiæ posticæ bicalcaratæ.

A. Corpus sat robustum. - - - 1. TERENODES, *Guen.*

B. Corpus gracile. - - - 4. GYPSOCHROA, *Hubn.*

B. Tibiæ posticæ quadricalcaratæ.

A. Corpus gracile.

A. Palpi caput sat superantes. - 2. HETEROPSIS, *Guen.*

B. Palpi caput non aut paullo superantes.

a. Antennæ maris ciliis fasciculatis.

5. HETEROPHLEPS, *Herr.-Sch.*

b. Antennæ maris ciliis nullis fasciculatis.

i. Alæ anticæ non productæ.

* Antennæ maris subcrenulatæ. 10. ODEZIA, *Boisd.*

** Antennæ maris non crenulatæ. 9. TANAGRA, *Dup.*

ii. Alæ anticæ productæ.

* Antennæ setacæ.

† Abdomen maris cylindricum. 3. SIONA, *Dup.*

†† Abdomen non cylindricum.

8. POLYTHRENA, *Guen.*

** Antennæ filiformes. - 7. STAMNODES, *Guen.*

B. Corpus robustum. - - - 6. CALLIPIA, *Guen.*

Genus 1. TERENODES.

Corpus sat robustum. Frons subarcuata. Proboscis robusta. Palpi graciles, filiformes, porrecti. Antennæ graciles, filiformes. Thorax ovatus. Abdomen læve, longum, lineare. Pedes longi, graciles; tibiæ posticæ bicalcaratæ. Alæ oblongæ, tenues, semihyalinæ; posticæ lituris nullis.

Terenodes, *Guen. Phal.* ii. 508.

Body moderately stout. Head prominent; front slightly arched. Proboscis robust, conspicuous. Palpi slender, filiform, porrect. Antennæ slender, filiform. Thorax oval. Abdomen long, linear, smooth. Legs long, slender, bare; hind tibiæ with only one pair of spurs. Wings oblong, delicate, semihyaline. Hind wings without markings.

1. TERENODES PISCIATA.

Nigricante-cinerea; caput flavescens; alæ semihyalinæ, lineis duabus e strigis nigris, costa venisque nigro strigatis; posticæ lituris nullis.

Terenodes pisciata, Guen. *Phal.* ii. 509, 1744.

Brazil.

2. TERENODES PUNCTICULATA.

Alba; alæ anticæ subflavescentes, venis nigro strigatis, lineis tribus transversis dentatis cinereis, 1a 2aque duplicatis, 3a submarginali; posticæ margine interiore plicato pilis nigricantibus.

Terenodes puncticulata, Guen. *Phal.* ii. 509, 1745.

Colombia.

3. TERENODES FULVICOSTARIA.

Violacea-cinerea; alæ anticæ costa venisque flavis nigro maculatis; posticæ obscuriores, venis nigris.

Graphidipus fulvicostaria, Herr.-Sch. *Exot. Schm.* pl. 62, f. 352.

Terenodes fulvicostaria, Guen. *Phal.* ii. 509, 1746.

This species appears to belong to the *Zerenidæ*.

Venezuela.

Genus 2. HETEROPSIS.

Mas. Corpus gracile. Frons arcuata, squamoso-hirsuta. Proboscis sat longa. Palpi squamoso-hirsuti, rostriformes, acuti, frontem sat superantes. Antennæ ramis spatulatis. Pedes graciles, nudi; tibiæ posticæ quadricaratae. Alæ lituris vix ullis; anticæ oblongæ; posticæ discolores.

Heteropsis, Guen. *Phal.* ii. 510.

Male. Body slender. Front arched, squamous-hirsute. Proboscis moderately long. Palpi squamous-hirsute, rostriform, acute, extending somewhat beyond the front. Antennæ of the male pectinated; branches robust, spatulate. Legs slender, bare; hind tibiæ with four spurs. Wings almost without markings. Fore wings oblong. Hind wings subquadrate, differing in colour from the fore wings.

1. HETEROPSIS TESTARIA.

Fusco-ferruginea; antennæ fusco-nigricantes; abdomen omnino fusco-ferrugineum; alæ anticæ subtus flavo-ferrugineæ fimbria cinerea; posticæ flavo-ferrugineæ, subtus flavo-ferrugineo subfusco tinctæ.

Phalæna testaria, *Fabr. Ent. Syst.* iii. 2, 53.

Aspilates Duponchellaria, *Lucas, Explor. Scient. de l'Alger. Anim. Artic.* iii. 390, 124, pl. 3, f. 10.

Heteropsis testaria, *Guen. Phal.* ii. 510, 1747.

Algeria.

Genus 3. SIONA.

Corpus gracile. Frons vix arcuata. Proboscis robusta. Palpi squamoso-hirsuti, sat graciles, frontem paullo superantes; articulus 3us brevissimus. Antennæ breves, non ciliatæ, maris subtus velutinæ, sæm. setaceæ. Abdomen maris cylindricum, apice obtusum. Pedes graciles; tibiæ anticæ non unguulatæ; posticæ calcaribus quatuor sat longis. Alæ latæ, venis sæpissime obscurioribus, fimbria plus minusve intercisâ; anticæ productæ; posticæ subacutæ.

Idæa, p., *Treit.*

Schizostege, *Hubn. Verz. Schm.* 336.

Siona, *Dup. Lep.* iv. 102; *Boisd.*; *Guen. Phal.* ii. 511.

Chesias, p., *Herr.-Sch.*

Body slender. Front hardly arched. Proboscis robust. Palpi squamous-hirsute, rather slender, extending a little beyond the front; third joint very short. Antennæ short, without ciliæ, velvety beneath in the male, setaceous in the female. Abdomen of the male cylindrical, obtuse at the tip. Legs slender; fore tibiæ without claws; hind tibiæ with four moderately long spurs. Wings broad; veins generally darker than the ground hue; fringe more or less notched. Fore wings elongated towards the tips; exterior border slightly convex, rather oblique. Hind wings slightly acute.

1. SIONA DECUSSATA.

Albida; alæ venis fasciisque duabus exterioribus undulatis lineaque marginali fuscis, fimbria fusco punctata. Var.—*Alæ cervinæ, unicolores.*

Geometra decussata, *Wien. Verz.* 107, 7. *Bork. Eur. Schm.* v. 274, 120. *Hubn. Geom.* pl. 41, f. 213. *Frey. Beitr.* pl. 107; *N. Beitr.* iii. pl. 282, f. 3. *Ill. N. Ausg. dess.* i. 427, 7.

Idæa decussata, *Treit. Schm.* vi. 2, 160, 2.

Schizostege decussata, *Hubn. Verz. Schm.* 336, 3241.

Phalæna decussata, *Fabr. Ent. Syst.* iii. 2, 183, 195.

Siona decussata, *Dup. Lep.* v. 511, pl. 209; *Sup.* iv. 34, pl. 53.

Boisd. Ind. 328, 1924. *Guen. Phal.* ii. 511, 1748.

Chesias decussaria, *Herr.-Sch. Eur. Schm.* iii. 183, 226.

a. Europe. From M. Becker's collection.

2. SIONA EXALBATA.

Albida; alæ acutæ, cervino dense conspersæ, linea marginali fuscescente; anticæ puncto discali nigricante, linea exteriorè alba undulata.

Geometra exalbata, *Hubn. Geom.* f. 474, 476. *Frey. Beitr.* iii. pl. 282, f. 1, 2.

Geometra nubilaria, *Hubn. Geom.* f. 215.

Siona exalbata, *Eversm. Bull. Soc. Imp. Nat. Mosc.* 1837; *Faun. Volg.-Ural.* 436. *Guen. Phal.* ii. 512, 1749.

Chesias exalbata, *Herr.-Sch. Eur. Schm.* iii. 183, 225.

a. Europe. From M. Becker's collection.

Genus 4. GYPSOCHROA.

Corpus gracillimum. Frons lata, subquadrata, antice cornuta. Proboscis longissima. Palpi graciles, compressi, peracuti, subascendentes. Abdomen lineare, longissimum, apice quadratum subdilatatum. Pedes longissimi, gracillimi; tibiæ posticæ calcariibus duobus brevissimis. Alæ angustæ, tenues, integræ, sericeæ, nitentes; anticæ elongatæ; posticæ subquadratæ.

Gypsochroa, *Hubn. Verz. Schm.* 336; *Herr.-Sch.*; *Guen. Phal.* ii. 512.

Siona, p., *Boisd.*

Body very slender. Front broad, subquadrate, with a horny protuberance. Proboscis very long. Palpi slender, compressed, slightly ascending, very acute at the tips. Abdomen linear, very long, slightly widened and quadrate at the tip. Oviduct prominent. Legs very long, very slender; hind tibiæ with one pair of very short spurs. Wings narrow, delicate, entire, silky, shining, of one colour. Fore wings elongated. Hind wings subquadrate.

1. GYPSOCHROA RENITIDATA.

Argenteo-alba; alæ lituris nullis.

Geometra renitidata, Hubn. *Geom.* f. 485.

Gypsochroa renitidata, Hubn. *Verz. Schm.* 337, 3246. *Eversm. Faun. Volg.-Ural.* 435. *Herr.-Sch. Eur. Schm.* iii. 33, 95, pl. 38, f. 236. *Guen. Phal.* ii. 513, 1750.

Siona renitidata, *Boisd. Ind.* 228, 1922.

South Russia.

a, b. Europe. From M. Becker's collection.

Genus 5. HETEROPHLEPS.

Corpus gracile. Frons lata, convexa. Palpi graciles, squamosi, disjuncti, frontem non superantes; articuli sat distincti. Antennæ maris ciliis fasciculatis. Tibiæ posticæ quadricalcaratæ. Alæ anticæ latæ, acutæ, margine exteriori subflexo; posticæ retractæ, angulo exteriori angulato.

Heterophleps, *Herr.-Sch. Exot. Schm.*; *Guen. Phal.* ii. 513.

Body slender. Front broad, rounded. Palpi slender, squamous, apart from each other, not extending beyond the front; joints rather distinct. Antennæ of the male with fasciculated ciliæ. Hind tibiæ with four spurs. Fore wings broad, acute; exterior border convex in the middle; interior border short. Hind wings retracted, with an angle on the exterior border.

1. HETEROPHLEPS TRIGUTTARIA.

Var. Pallide ochraceo-flava; frons subfuscescens; alæ anticæ maculis tribus costalibus nigro-fuscis, 1a 2aque trigonis, 3a punctiformi.

Heterophleps triguttaria, *Herr.-Sch. Exot. Schm.* pl. 41, f. 202. *Guen. Phal.* ii. 514, 1751.

Pennsylvania.

2. HETEROPHLEPS ATROSIGNATA.

Fœm. Albido-cinerea; palpi breves, sat graciles, articulo 3o minimo; antennæ maris vix serratæ; alæ latiusculæ, nigro subconspersæ, lunulis marginalibus nigris; anticæ apice rotundatæ, strigis quatuor costalibus nigris, 2a elongata, margine exteriori recto.

Female. Whitish cinereous. Palpi short, rather slender, extending a little beyond the head; third joint extremely minute. Antennæ of the male very minutely serrated. Wings rather broad, very minutely speckled with black, with black marginal lunules. Fore wings somewhat rounded at the tips, with a few black points on the veins; costa with four transverse black marks, of which the second extends to the disk, where it forms an angle and is occasionally extended in a curve from thence to the interior border; exterior border straight, moderately oblique. Length of the body 6 lines; of the wings 16 lines.

a, b. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.

Genus 6. CALLIPIA.

Fœm. Corpus robustum. Palpi squamosi, læves, latiusculi, frontem non superantes; articulus 3us brevis, truncatus. Antennæ setaceæ. Thorax oblongus; tegulæ longæ, pilosæ. Pedes breves, læves; tibiæ posticæ quadricalcaratæ, femoribus paullo longiores. Alæ amplæ, integræ, velutinæ, concolores, fimbria longa; anticæ elongatæ, margine exteriore recto sat obliquo; posticæ rotundatæ, angulo interiore quadrato.

Callipia, Guen. Phal. ii. 514.

Female. Body robust. Palpi squamous, smooth, rather broad, not extending beyond the front; third joint short, truncated. Antennæ setaceous. Thorax oblong; tegulæ long, pilose. Legs short, smooth; hind tibiæ a little longer than the femora, with four spurs. Wings ample, entire, velvety, alike in colour; fringe long. Fore wings elongated; exterior border straight, rather oblique. Hind wings rounded; interior angle quadrate.

1. CALLIPIA PARRHASIATA.

Nigro-cinerea; alæ dimidio basali roseo, fimbria testaceo-cinerea apice fusca; anticæ costa testacea nigro strigata.

Callipia Parrhasiata, Guen. Phal. ii. 515, 1752, pl. 21, f. 5.

Bengal?

Genus 7. STAMNODES.

Corpus gracile. Frons globosa, squamosa. Proboscis brevis, robusta. Palpi squamoso-hirsuti, frontem non superantes; articuli indistincti. Antennæ glabræ, filiformes. Abdomen breve, mari

obtusum. Pedes graciles; tibiæ posticæ calcaribus quatuor parvis; tarsi longi, tibiis non graciliores. Alæ oblongæ, tenues, integræ, fimbria longa; anticæ elongatæ, margine exteriori perobliquo; posticæ breves.

Minoa, p., *Herr.-Sch.*

Stamnodes, *Guen. Phal.* ii. 515.

Body slender. Front globose, squamous. Proboscis short, robust. Palpi squamous-hirsute, not extending beyond the front; joints indistinct. Antennæ smooth, filiform. Abdomen short, obtuse at the tip in the male. Legs slender; tarsi long, as stout as the tibiæ; hind tibiæ with four short spurs. Wings oblong, delicate, entire; fringe long. Fore wings elongated; exterior border very oblique. Hind wings short.

1. STAMNODES PAUPERARIA.

Ochraceo-fulva; alæ e strigis nigricante-cinereis marginatæ, fimbria albida, fusco varia; anticæ fuscescentes, costa albida e atomis cinereis trinotata; posticæ subtus cinereæ.

Fidonia pauperaria, *Eversm. Bull. Soc. Imp. Nat. Mosc.* 1848, xxi. 3, 224, 14. *Leder. Lep. Siber.* ii. 20.

Minoa passerinaria, *Herr.-Sch. Eur. Schm.* iii. f. 523, 524.

Stamnodes pauperaria, *Guen. Phal.* ii. 516, 1753.

Steppes of Songaria. Altai.

Genus 8. POLYTHRENA.

Corpus gracile. Frons convexa. Palpi squamoso-hirsuti, frontem vix superantes. Antennæ graciles, maris setaceæ. Pedes graciles; calcaria longa. Alæ oblongæ, concolores, valde rotundatæ.

Cidaria, p., *Lederer.*

Minoa, p., *Herr.-Sch.*

Polythrena, *Guen. Phal.* ii. 516.

Body slender. Front convex. Palpi squamous-hirsute, hardly extending beyond the front. Antennæ slender, setaceous in the male. Legs slender; hind tibiæ with four long slender spurs. Wings oblong, much rounded, alike in colour.

1. POLYTHRENA MELANICTERATA.

Luteo-flava; thorax niger, tegulis flavis; abdomen nigro cinctum; alæ maculis magnis fasciæque sinuata nigris.

Cidaria melanicterata, *Leder. Weit. Beitr. Schm. Altaisch.* 19, pl. 2, f. 4.

Minoa coloraria, *Herr.-Sch. Eur. Schm. Sup.* 136, f. 561.

Polythrena melanicterata, *Guen. Phal.* ii. 517, 1754.

Altai.

Genus 9. TANAGRA.

Corpus gracile. Frons subconvexa, squamoso-hirsuta. Proboscis mediocris. Palpi squamoso-hirsuti, frontem vix superantes; articulus 3us minimus. Antennæ breves, submoniliformes. Pedes graciles, compressi; tibiæ posticæ calcaribus quatuor sat longis. Alæ latæ, subquadratae, obtusæ, concolores, lituris nullis. *Mas.*—Antennæ appressæ, subtus velutinæ. Abdomen compressum, apice tumidum. *Fæm.*—Abdomen apice obtusum.

Minoa, p., *Treit.*; *Steph.*

Baptia, p., *Hubn. Verz. Schm.* 306.

Tanagra, *Dup. Lep.* iv. 112; *Guen. Phal.* ii. 517.

Odezia, *Boisd.*

Body slender. Front squamous-hirsute, slightly convex. Proboscis of moderate length. Palpi squamous-hirsute, hardly extending beyond the front; third joint extremely small. Antennæ short, submoniliform, flattened laterally and velvety beneath in the male. Abdomen of the male compressed, enlarged at the tip; that of the female obtuse. Legs slender, compressed; hind tibiæ with four moderately long spurs. Wings broad, subquadrate, alike in colour, without markings, obtuse at the tips.

1. TANAGRA CHÆROPHYLLATA.

Nigricans; alæ anticæ apice albæ.

———, *Petiv. Gaz.* pl. 69, f. 8. *De Vill. Ent. Linn.* ii. 337, 515.

Phalæna-Geometra chærophyllata, *Linn. Syst. Nat.* i. 2, 866, 237. *Gmel. ed. Syst. Nat.* i. 5, 2470, 237.

Phalæna-Geometra atrata, *Linn. Faun. Suec.* 1274.

Phalæna chærophyllata, *Fabr. Sp. Ins.* ii. 261, 111; *Mant. Ins.* ii. 204, 164; *Ent. Syst.* iii. 2, 184, 200.

Geometra chærophyllata, *Wien. Verz.* 116, 1. *Bork. Eur. Schm.* v. 482, 236. *Donov. Brit. Ins.* vii. pl. 233, f. 4. *Schr. Faun. Boic.*

ii. 2, 52, 1690. *Hubn. Geom. pl.* 38, f. 196. *Haw. Lep. Brit.* 344. *Ill. N. Ausg. dess.* i. 472, 1. *Fuessl. Schw. Ins.* 40, 774, *Mull. Zool. Dan.* 126, 1457, 1462.

Baptia Chærophyllata, *Hubn. Verz. Schm.* 306, 3955.

Minoa Chærophyllata, *Treit. Schm.* vi. 2, 251, 3. *Steph. Ill. Brit. Haust.* iii. 293, 1.

Tanagra Chærophyllata, *Dup. Lep.* v. 524, pl. 207, f. 4. *Guen. Phal.* ii. 518, 1755,

Odezia Chærophyllata, *Boisd. Ind.* 229, 1933.

Chesias chærophyllaria, *Herr.-Sch. Eur. Schm.* iii. 183, 228. *Delah. Schm.* 329.

a—f. England. From Mr. Stephens's collection.

g. England. From Mr. Foxcroft's collection.

h. England. From Mr. King's collection.

i—k. England.

l—o. Europe. From M. Becker's collection.

p. Switzerland. From Dr. Leach's collection.

2. TANAGRA ? EXPOSITATA.

Nigra; alæ elongatæ; anticæ apice albæ.

Black. Head wanting. Body luteous beneath. Wings somewhat elongated. Fore wings with white tips. Length of the body 5 lines; of the wings 16 lines.

a. Bahia.

Genus 10. ODEZIA.

Frons squamosa, subconvexa. Proboscis breviuscula. Palpi graciles, squamosi, porrecti, acuti, frontem vix superantes. Antennæ breves. Pedes graciles, appressi, non incrassati. Alæ integræ, densæ, rotundatæ; posticæ angulo interiore quadrato aut subdentato.

Baptia, p., *Hubn. Verz. Schm.* 306.

Odezia, *Boisd. Ind.* (1840), 229; *Dup.*; *Guen. Phal.* ii. 518.

Minoa, p., *Herr.-Sch.*

Front squamous, slightly convex. Proboscis distinct, rather short. Palpi slender, squamous, porrect, acute, hardly extending beyond the front. Antennæ short, stout and slightly crenulated in the male. Abdomen of the male slightly conical and depressed,

with the apical valves ascending. Legs slender, flattened, not incrassated. Wings entire, stout, rounded. Hind wings with the interior angle quadrate or slightly dentate.

Europe.

1. ODEZIA TIBIALATA.

Nigra; alæ anticæ fasciola exterior obliqua postice angulata, fimbria apicali albo marginata; posticæ fimbria alba, fascia alba subtus bene determinata supra sæpe obsoleta.

———, *Engram.* vii. pl. 292, f. 493.

Noctua tibiale, *Esp. Noct.* pl. 164, f. 2.

Phalæna æthiopata? *Scop. Ent. Carn.* 581.

Geometra æthiopata? *Bork. Eur. Schm.* v. 234.

Geometra dimidiata, *Hubn. Beitr.* 2, pl. 4, V.

Geometra tibialata, *Hubn. Geom.* pl. 40, f. 210, 211.

Baptria tibialaria, *Hubn. Verz. Schm.* 307, 3956.

Psodos tibialata, *Treit. Schm.* vi. 2, 301.

Odezia tibialata, *Dup. Lep.* v. 526, pl. 207, f. 5, 6. *Eversm. Faun.*

Volg.-Ural. 384. *Boisd. Ind.* 229, 1934. *Guen. Phal.* ii. 519, 1756.

Minoa tibialaria, *Herr.-Sch. Eur. Schm.* iii. 109, 11.

Minoa Eversmannaria, *Herr.-Sch. Eur. Schm. Sup.* 76, f. 443.

Geometra mæroraria, *Frey. Beitr.* 486.

Piedmont. Sardinia. Gallicia. Hungary. South Russia.

Fam. 22. HEDYLIDÆ.

Corpus gracile. Caput productum; frons angusta. Proboscis conspicua. Palpi graciles, porrecti, caput superantes. Antennæ breves, maris sæpissime pectinatæ. Thorax brevissimus. Abdomen lineare, sæpe longissimum. Pedes gracillimi. Alæ elongatæ, integræ, tenues, concolores, semihyalinæ, lineis nullis transversis, fimbria brevissima.

Hedylidæ, *Guen. Phal.* ii. 521.

Body slender. Head prominent; front narrow. Proboscis distinct. Palpi slender, porrect, extending beyond the front. Antennæ short, generally pectinated in the male. Thorax very short. Abdomen linear, generally very long. Legs very slender. Wings elongated, entire, delicate, semihyaline, alike in colour, without transverse lines; fringe very short.

A. Tibiæ posticæ bicalcaratæ.

A. Alæ valde elongatæ. - - - 1. HEDYLE, *Guen.*B. Alæ non valdæ elongatæ. - - - 2. VENODES, *Guen.*

B. Tibiæ posticæ quadricalecaratæ.

A. Alæ anticæ valde incisæ. - - - 3. PHELLINODES, *Guen.*B. Alæ anticæ vix incisæ. - - - 4. MACROPHILA, *Walk.*

Genus 1. HEDYLE.

Mas et fæm. Corpus gracile. Frons angusta, arcuata. Proboscis conspicua. Palpi graciles, caput paullo superantes; articulus 3us linearis, obtusus, 2i dimidio longior. Abdomen gracillimum, alas posticas superans. Pedes gracillimi; tibiæ posticæ spatulatæ, bicalcaratæ. Alæ integræ, tenues, valde elongatæ; anticæ acutæ; posticæ rotundatæ. *Mas.*—Antennæ pectinatæ. *Fæm.*—Anteunæ subsetulosæ.

Hedyle, *Guen. Phal.* ii. 521.

Male and female. Body slender. Head prominent; front narrow, arched. Proboscis distinct. Palpi slender, extending a little beyond the head; third joint linear, obtuse, more than half the length of the second. Abdomen very slender, extending beyond the hind wings. Legs very slender; hind tibiæ spatulate, with only one pair of spurs. Wings entire, much elongated, very delicate. Fore wings acute; exterior border slightly convex, rather oblique. Hind wings rounded. *Male.*—Antennæ pectinated; branches slender, decreasing towards the tips. *Female.*—Antennæ rather stout, slightly setulose.

1. HEDYLE HELICONARIA.

Alba, fusco plus minusve suffusa; alæ nigro conspersæ; anticæ puncto discali nigro, macula costali alba trigona bene determinata; posticæ vitta diffusa.

Hedyle heliconaria, *Guen. Phal.* ii. 522, 1758.

a. Honduras. From Mr. Dyson's collection.

b. Venezuela. From Mr. Dyson's collection.

c. Ega. From Mr. Bates' collection.

d. ———?

2. HEDYLE RUBEDINARIA.

Mas. Albido-cinerea; palpi apice nigri; antennæ subserratæ, subpubescentes; tibiæ posteriores apice nigræ et incrassatæ; alæ subopacæ, fusco conspersæ, roseo sordido tinctæ, gutta discali nigra; anticæ subfalcatæ, margine exteriori antico excavato et angulato.

Male. Whitish cinereous. Antennæ minutely serrated and pubescent. Third joint of the palpi black, linear, obtuse, more than half the length of the second. Fore tibiæ with a robust appendage; fore tarsi with black bands. Knees black. Posterior tibiæ black and incrassated at the tips. Wings very slightly hyaline, transversely brown-streaked, tinged with dull rosy red; discal dot black; under side more thinly speckled. Fore wings acute, subfalcate; exterior border angular in front, excavated nearer the tip. Length of the body 6 lines; of the wings 20 lines.

a. Honduras. From Mr. Dyson's collection.

Genus 2. VENODES.

Mas et fœm. Corpus gracile. Caput parvum: frons producta, pilosa. Palpi pilosi, approximati, caput superantes; articuli sat distincti. Pedes graciles; tibiæ posticæ bicalcaratæ, femoribus non longiores. Alæ oblongæ, integræ, concolores, lituris non diversis; anticæ acutæ; posticæ rotundatæ. *Mas.*—Antennæ pectinatæ. *Fœm.*—Antennæ crenulatæ, ciliatæ.

Venodes, *Guen. Phal.* ii. 522.

Male and female. Body slender. Head small; front prominent, pilose. Palpi pilose, approximate, extending beyond the head; joints rather distinct. Legs slender; hind tibiæ not longer than the femora, with one pair of spurs. Wings oblong, entire, alike in colour, without markings. Fore wings acute. Hind wings rounded. *Male.*—Antennæ pectinated; branches slender, with long fasciculated ciliæ. *Female.*—Antennæ crenulate; each joint with two ciliæ.

1. VENODES NAPIARIA.

Mas et fœm. Flavescente-alba; alæ anticæ costa margineque interiore basi venisque nigricantibus.

Venodes Napiaria, *Guen. Phal.* ii. 522, 1759, pl. 20, f. 7.

Brazil.

Genus 3. PHELLINODES.

Mas. Corpus gracile. Frontis fasciculus productus. Palpi sat robusti, caput superantes; articulus 3us cylindricus, 2o non brevior. Antennæ breves, vix pubescentes. Thorax brevissimus. Pedes breves, graciles. Alæ integræ, latæ, tenues, strigatæ, non lineatæ; anticæ margine exteriori antico valde inciso.

Phellinodes, *Guen. Phal.* ii. 523.

Male. Body slender. Front with a prominent tuft. Palpi rather stout, extending somewhat beyond the head; third joint cylindrical, as long as the second. Antennæ short, hardly pubescent. Thorax very short. Legs short, slender. Wings entire, broad, delicate, streaked, without lines. Fore wings deeply notched between the tips and an angle on the exterior border.

1. PHELLINODES SATELLITIATA.

Mas. *Pallide testaceo-fusca; alæ rufescente suffusæ, strigis plurimis nigricantibus, macula subcostali trigona punctisque duobus albis hyalinis, costa ex parte ochraceo-alba.*

Phellinodes satellitiata, *Guen. Phal.* ii. 523, 1760, pl. 21, f. 8.

Brazil.

Genus 4. MACROPHILA.

Mas et fœm. Corpus gracillimum. Frons producta. Proboscis sat longa. Palpi longi, graciles, porrecti, caput sat superantes; articulus 3us linearis, 2o non brevior. Antennæ maris subsetulosæ. Abdomen alas posticas paullo superans. Pedes gracillimi; tibiæ breves, subclavatæ; calcaria quatuor parva. Alæ longissimæ; anticæ acutæ, margine exteriori antico subflexo; posticæ rotundatæ.

Macrosoma, *Hubn. Verz. Schm.* 337.

Male and female. Body very slender. Front prominent. Eyes large. Proboscis conspicuous. Palpi long, slender, porrect, extending far beyond the head; third joint linear, full as long as the second. Antennæ minutely setulose in the male. Abdomen extending a little beyond the hind wings. Legs very slender; tibiæ short, subclavate; fore tibiæ with a long apical claw; hind tibiæ with four small spurs; tarsi very long. Wings very long. Fore

wings acute; exterior border very oblique, slightly bent in front. Hind wings rounded.

1. MACROPHILA TIPULATA.

Alba; corpus fuscescens varium; alæ ex parte fusco conspersæ; anticæ macula subcostali oblonga alba nigro marginata, lituris duabus parvis nigris, una interiore, altera exteriori.

Macrosoma tipulata, Hubn. *Exot. Schm.* (*Geometra æquivoca*, *Petrophora cana*), i. 10, 11, f. 21, 22; *Verz. Schm.* 337, 3253.

a. Para. Presented by J. P. G. Smith, Esq.

b. Para. From Mr. Bates' collection.

c. Para. Presented by Gordon Graham, Esq.

d. Ega. From Mr. Bates' collection.

2. MACROPHILA? USTRINARIA.

Alba; alæ cinereo conspersæ; anticæ subfalcata, margine exteriori antico nigro subexcavato, gutta discali exteriori nigra.

Acidalia? ustrinaria, Herr.-Sch. *Exot. Schm.* pl. 40, f. 196.

Surinam.

Fam. 23. ERATEINIDÆ.

Corpus sat gracile. Proboscis bene determinata. Palpi graciles, acuti, disjuncti, bene determinati. Pedes læves, breviusculi; tibiæ posticæ quadricalcaratæ. Alæ posticæ abdomen superantes.

Erateinidæ, Guen. *Phal.* ii. 524.

Body rather slender. Proboscis well developed. Palpi slender, acute, well developed, apart from each other. Abdomen not extending to the interior angle of the hind wings. Legs smooth, rather short; hind tibiæ with four spurs.

A. Alæ posticæ plica basali. - - - 1. *ERATEINA*, Doubl.

B. Alæ posticæ plica nulla. - - - 2. *TROCHIODES*, Guen.

Genus 1. ERATEINA.

Corpus squamosum, sat gracile. Palpi arcuati, ascendentes, frontem non attingentes. Antennæ breves, maris subpubescentes, fœm. setacæ. Abdomen læve, segmentis pallido marginatis. Alæ

robustæ, velutinæ; anticæ elongatæ; posticæ plica basali, angulo interiore producto aut caudato.

Erateina, Doubl. Trans. Ent. Soc. v. 110. Guen. Phal. ii. 525.

Body squamous, rather slender. Palpi curved, ascending, not rising to the front. Antennæ short, slightly pubescent in the male, setaceous in the female. Thorax somewhat oblong. Abdomen smooth, stout and obtuse at the tip in the male, very acute and with a distinct oviduct in the female. Wings robust, velvety. Fore wings elongated. Hind wings caudate, or with the interior angle elongated; a fold at the base beneath.

Group 1.

1. ERATEINA LEPTOCIRCATA.

Nigro-fusca; caput albo punctatum; thorax albo vittatus; abdomen luteo fasciatum; alæ basi subauratæ, subtus rubræ; anticæ fascia recta abbreviata albo hyalina, radiis basalibus lineaque exteriore oblique subtus albis; posticæ ochraceæ nigro submarginatæ, caudis longissimis apice albis, subtus albo fasciatæ et lineatæ.

Erateina leptocircata, Guen. Phal. ii. 526, 1761.

- a. New Grenada. From Mr. Stevens' collection.
- b. New Grenada. From Mr. Hewitson's collection.

2. ERATEINA IPHIS.

Aurato-fusca; corpus subtus album; caput albo notatum abdominis segmenta albido marginata; alæ anticæ vitta costali lineisque duabus transversis rufis, subtus rubræ basi striga discali fasciæque exteriore albis, linea subtus adhuc exteriore lutea, radiis basalibus rufis; posticæ late caudatæ, ochraceo-rufæ, fasciis duabus atris, dentatis, 1a valde interrupta, 2a subtus rubra nigro marginata, subtus albæ radiis rubris fasciæque ochraceo-rufa.

Erateina Iphis, Doubl. Trans. Ent. Soc. v. 115, pl. 12, f. 4. Guen. Phal. ii. 527, 1762.

- a, b. Bogota. From Mr. Stevens' collection.
- c. New Grenada. From the Entomological Society's collection.
- d. Venezuela.

3. ERATEINA IANTHE.

Aurato-fusca; corpus subtus album; caput albo notatum; abdominis segmenta albido marginata; alæ anticæ vitta costali rubra, basi striga discali fasciæque exteriore subtus albis, linea adhuc exteriore subtus lutea; posticæ late caudatæ, ochraceo-rufæ, fascia submarginali dentata atra subtus saturate rubra nigro marginata, subtus albæ radiis fasciæque rufis.

Erateina Ianthe, Doubl. Trans. Ent. Soc. v. 114, pl. 12, f. 3. Guen. Phal. ii. 527, 1763.

a. Venezuela.

4. ERATEINA ZORAIDA.

Nigro-fusca; alæ subtus rubræ, venis lineisque argenteo-albis; anticæ linea exteriore alba vix undulata non obliqua; posticæ extus ochraceo-rufæ fascia nigra dentata, caudis longis.

Erateina Zoraida, Doubl. Trans. Ent. Soc. v. 113, pl. 12, f. 1, 2. Guen. Phal. ii. 527, 1764.

a—d. Venezuela.

4. ERATEINA UNDULATA.

Aurato-fusca, subtus glauco-alba; caput albo punctatum; abdominis segmenta luteo marginata; alæ anticæ fascia tenui undulata abbreviata albo hyalina, subtus basi rubro radiatæ, spatio exteriore subtus rubro fascia non abbreviata; posticæ late caudatæ, fascia maculisque marginalibus ochraceis, alulis subtus maximis, lineis subtus rubris, fascia subtus abbreviata ochracea.

Erateina undulata, Saund. Trans. Ent. Soc. New Series, v. 263, 1, pl. 15, f. 1.

a. Nanta, Amazon Region. From Mr. Bates' collection.

b. New Grenada. From Mr. Hewitson's collection.

6. ERATEINA SINUATA.

Aurato-fusca, subtus alba; caput albo punctatum; thorax albo vittatus; abdominis segmenta albido marginata; alæ anticæ vitta costali abbreviata rufa, fascia subtus rubra strigam albam includente, spatio apicali subtus rubescente; posticæ late cau-

datæ, rufo-ochraceæ, fascia submarginali atra dentata subtus obscure rubra atro marginata, fascia subtus interiore ochracea.

Erateina sinuata, Saund. Trans. Ent. Soc. New Series, v. 251, 2, pl. 15, f. 2.

a. Bogota.

7. ERATEINA REGINA.

Ferruginea; alæ anticæ basi et apud marginem anteriorem obscuriores, basi fasciæque media subtus albis, fascia exteriori subtus minus determinata; posticæ late caudatæ, nigro-cinereæ, fascia lata dentata atra argenteo marginata, lineis subtus coccineis et luteis.

Erateina regina, Saund. Trans. Ent. Soc. New Series, v. 251, 3, pl. 15, f. 3.

a. Bogota.

8. ERATEINA JULIA.

Nigra; caput albo punctatum; thorax flavo vittatus; abdomen flavo fasciatum; alæ subtus rubræ; anticæ basi subochraceæ, fascia exteriori alba subhyalina, linea exteriori subtus testacea, spatio basali subtus albo radiis rubris; posticæ ochraceæ, fascia dentatæ nigra, radiis fasciæque subtus albis, caudis longissimis.

Erateina Julia, Doubl. Trans. Ent. Soc. v. 116, pl. 12, f. 5. Guen. Phal. ii. 528, 1765, pl. 22, f. 3.

a. New Grenada. From Mr. Hewitson's collection.

b, c. New Grenada.

Group 2.

9. ERATEINA NÆRA.

Nigra; corpus subtus album; alæ subtus rubræ venis fasciæque albis; anticæ fascia recta albo hyalina; posticæ apud angulum anteriorem productæ, fascia exteriori lutea nigro marginata, maculis marginalibus albis.

Erateina Næra, Doubl. Trans. Ent. Soc. v. 117, pl. 12, f. 6. Guen. Phal. ii. 528, 1766.

a. Bolivia.

Group 3.

10. ERATEINA LINEATA.

Nigro-fusca; oculi albo marginati; humeri rufo-fusci; alæ subtus coccineo-fuscae, venis basalibus flavis; anticæ fascia recta obliqua flavescens-alba, linea apud marginem interiorem alba, subtus coccineo-fuscae radiis basalibus lineaque submarginali ochraceis; posticæ spatio posteriore valde producto, plaga postica maxima lunata ochraceo-rufa.

Erateina lineata, Saund. Trans. Ent. Soc. New Series, v. 265, 4, pl. 16, f. 1.

a. Bogota.

Group 4.

11. ERATEINA MARGARITA.

Nigra; alæ subtus rufo-fuscae lineis variis albis; anticæ macula obliqua elongata discali strigaeque postica albis semihyalinis; posticæ fascia discali postice attenuata alba semihyalina, spatio posteriore valde producto, fimbria albo guttata.

Erateina Margarita, Saund. Trans. Ent. Soc. New Series, v. 266, 5, pl. 16, f. 2.

a. Bogota.

12. ERATEINA OBSCURA.

Nigra; alæ subtus rufo-fuscae subtus albo venosæ fascia informi alba; anticæ basi cinerascens, macula discali elongata alba; posticæ fusco-nigræ, apud angulum interiorem rotundatæ et valde productæ, striga discali indistincta albida.

Erateina obscura, Saund. Trans. Ent. Soc. New Series, v. 266, 6, pl. 16, f. 3.

Bogota.

13. ERATEINA SILIQUATA.

Nigra, velutina; alæ anticæ macula magna ovata opalina semihyalina, subtus obscure rufæ macula submarginali rufa; posticæ linea submarginali arcuata alba, subtus purpureo-rufæ linea venis fimbriaque albis.

Erateina siliquata, Guen. Phal. ii. 529, 1767, pl. 22, f. 5.

Brazil.

14. ERATEINA RADIARIA.

Nigra, subtus rufa; alæ anticæ macula magna obliqua elongata lineisque duabus posticis longitudinalibus albis subhyalinis; posticæ venis lineaque exteriore arcuata albis, fimbria albo notata.

Geometra radiaria, Moriz, Herr.-Sch. *Exot. Schm.* pl. 16, f. 75, 76.

Erateina radiaria, Guen. *Phal.* ii. 529, 1768.

a, b. Venezuela. From Mr. Dyson's collection.

c. New Grenada. From the Entomological Society's collection.

d. Bogota. From Mr. Stevens' collection.

e, f. Rio Janeiro. From Mr. Stevens' collection.

15. ERATEINA CYNTHIA.

Aurato-nigricans; corpus subtus album; caput albo punctatum; abdominis segmenta albo marginata; alæ subtus aurato-rubrae linea subtus exteriore undulata lutea; anticæ fascia obliqua abbreviata (subtus majore) albo hyalina; posticæ disco albæ, apud angulum interiorem productæ, alulis subtus sat magnis.

Erateina Cynthia, Doubl. *Trans. Ent. Soc.* v. 117, pl. 12, f. 7. Guen. *Phal.* ii. 529, 1769.

a—c. Bolivia. From Mr. Bridges' collection.

The following species seems to be as nearly allied to the *Emplocidæ* as to the *Erateinidæ*, and perhaps should be transferred from the latter family to the *Emplocidæ*.

16. ERATEINA ? HÆMATARIA.

Nigra; humeri lutei; abdomen luteo fasciatum; alæ anticæ plaga discali strigaeque exteriore luteis, linea costali basali lineaque exteriore transversa subtus rubro-albidis; posticæ apud discum dentato luteæ, subtus albidæ rubro lineatæ.

Odezia hæmataria, Herr.-Sch. *Exot. Schm.* pl. 58, f. 320, 321.]

Mexico.

Genus 2. TROCHIODES.

Corpus sat gracile. Alæ integræ, rotundatæ, concolores, lituris non diversis; anticæ non elongatæ; posticæ non caudatæ nec plicatæ.

Trochiodes, *Guen. Phal.* ii. 530.

Body rather slender. Wings entire, rounded, alike in colour and with like markings. Fore wings not elongated. Hind wings not caudate, nor with a fold.

1. *TROCHIODES LITHOSIATA*.

Mas. *Cyanescente-nigra*; *thorax antice luteo marginatus*; *femora antica subtus lutea*; *alæ macula magna discali lactea*; *anticæ subtus unilineatæ*; *posticæ subtus bilineatæ*.

Trochiodes lithosiata, *Guen. Phal.* ii. 530, 1770, pl. 22, f. 2.

Brazil?

Fam. 24. EMPLOCIDÆ.

Emplocidæ, *Guen. Phal.* ii. 530.

This family is identical with some genera of *Nyctemeridæ*, and the species of *Emplocia* recorded by Guenée may be transferred to the genera *Devara*, *Mennis* and *Nelo*.

Genus 1. EMPLOCIA.

Corpus læve. Frons plana. Proboscis robusta. Palpi breves, graciles, disjuncti, porrecti aut incumbentes; articuli distincti. Antennæ maris pectinatæ, fœm. dentatæ. Thoracis tegulæ breves. Pedes squamosi, glabri; calcaria quatuor parva. Alæ integræ, læves. velutinæ, maculatæ, non lineatæ, fimbria brevi.

Emplocia, *Herr.-Sch. Exot. Schm. Guen. Phal.* ii. 530.

Body smooth. Front flat. Proboscis robust. Palpi short, slender, porrect or incumbent, apart from each other; joints distinct. Antennæ pectinated in the male, dentated in the female. Tegulæ of the thorax short. Legs squamous, smooth; hind tibiæ with four short spurs. Wings entire, smooth, velvety, spotted, without lines; fringe short.

1. *EMPLOCIA HESPERIDARIA*.

Fusco-nigra; *abbdomen ochraceum*, *dorso lineisque duabus lateralibus nigris*; *alæ velutinæ*; *anticæ macula oblonga ochraceo-fulva*, *macula 2a flavo-alba semihyalina subtus costam attingente*, *maculis subtus quatuor marginalibus flavo-albis*; *posticæ disco fulvo*, *maculis subtus nonnullis ochraceis*.

Emplocia hesperidaria, *Guen. Phal.* ii. 532, 1771.

Brazil.

2. EMPLOCIA BIFENESTRATA.

Fusco-nigra; tegulæ ochraceo notatæ; abdomen subtus album; alæ anticæ vitta postica abbreviata ochracea, maculis duabus albis subapicalibus semihyalinis; posticæ vitta lata abbreviata ochracea, subtus fuliginoso-cinereæ vitta carneo-alba.

Emplocia bifenestrata, Herr.-Sch. *Exot. Schm.* pl. 58, f. 318, 319.
Guen. *Phal.* ii. 533, 1773.

Devara erycinoides, Cat. *Lep. Het.* 1st Ser. 373, 1660.

Colombia.

3. EMPLOCIA HYPOCRITARIA:

Fusco-nigra; abdomen subtus album; alæ velutinæ; anticæ macula magna elongata basali lineaque costali maculaque subcostali subquadrata ochraceis, puncto subtus marginali albo; posticæ macula elongata ochracea subtus carneo-alba, maculis subtus tribus minoribus carneo-albis.

Emplocia hypocritaria, Guen. *Phal.* ii. 533, 1773.

Colombia.

4. EMPLOCIA TIMIDARIA.

Fusco-nigra; abdomen subtus albidum, incisuris nigris; alæ velutinæ; anticæ maculis duabus ochraceis, una antica quadrata, 2a postica elongata majori interiore; posticæ subtus nigro-cinereæ gutta costali alba.

Melanoptilon timidaria, Herr.-Sch. *Exot. Schm.* pl. 94, f. 538, 539.

Emplocia timidaria, Guen. *Phal.* ii. 533, 1774.

Colombia.

The two following species may be associated with the *Emplociæ*, but do not exactly coincide with the typical structure of the genus.

5. EMPLOCIA? METAGRAPHARIA.

Mas et fœm. Læte lutea; corpus subtus album; oculi albo cincti; alæ anticæ dimidio exteriori nigro strigam luteam subtus albam includente; posticæ spatio apicali margineque exteriori nigris, subtus albo pictæ basi linea marginali venisque obscure ochraceis.

Male and female. Bright luteous. Body white beneath. Head white about the eyes. Fore wings black exteriorly from the middle of the costa to the interior angle; the black part curved inward, and containing a transverse luteous streak, which is white on the under side; tips somewhat rounded; under side with the black part tinged with red exteriorly and a submarginal white abbreviated line, which is interrupted by the veins. Hind wings with a black border, which is dilated along the costa towards the tip and extends thence to the interior angle; under side black, with the basal part, a marginal line and the veins dull ochraceous, the latter interrupted by several pure white marks; these comprise some spots towards the base, an interrupted submarginal line and a large rectangular streak. Length of the body 5 lines; of the wings 16 lines.

a. Oajaca, Mexico. From M. Sallé's collection.

6. EMPLOCIA? COLIADATA.

Fœm. *Flava, nigro densissime conspersa; alæ latæ; anticæ dimidio exteriore nigro strigam latam obliquam flavo-albam includente; posticæ fascia non conspersa, plagis duabus marginalibus nigris, 1a elongata, 2a subquadrata.*

Female. Yellow. Body and basal part of the wings most thickly covered with black speckles; these are much fewer on the under side. Wings broad. Fore wings rounded at the tips; more than half the exterior part black, including a broad straight oblique yellowish white streak. Hind wings with two black patches; one elongated and occupying the apical part; the other subquadrate, on the hind part of the exterior border; the rest of the surface most thickly speckled, excepting a band which separates the two patches. Length of the body 5 lines; of the wings 16 lines.

o. Nanto, Amazon River. From Mr. Bates' collection.

Fam. 25. HYPOCHROSIDÆ.

Corpus latum, depressum. Proboscis robusta. Palpi breves, læves, ascendentes, disjuncti; articuli conspicui. Antennæ pectinatae, ramis approximatis. Pedes robusti, læves; calcaria bene determinata. Alæ supra concolores, coloribus subtus lætioribus.

Hypochrosidæ, *Guen. Phal. ii. 535.*

Body broad, depressed. Proboscis robust. Palpi short, smooth, ascending, apart from each other; joints very distinct. Antennæ pectinated; the two rows of branches approximate. Legs robust, smooth; spurs long. Wings alike in colour and in markings; under side brightly coloured, differing from the upper side. Hind wings abbreviated hindward.

- | | | | | | | |
|-----------------|---|---|---|---|---|------------------------------|
| A. Alæ integræ. | - | - | - | - | - | 1. HYPOCHROSIS, <i>Guen.</i> |
| B. Alæ incisæ. | - | - | - | - | - | 2. ACHROSIS, <i>Guen.</i> |

Genus 1. HYPOCHROSIS.

Corpus depressum. Palpi ad frontem applicati; articulus 3us obtusus. Antennæ peracutæ. Thorax brevis, non punctatus; tegulæ remotæ. Abdomen spissum. Alæ læves, sericæ, integræ, concolores, lituris non diversis. *Mas.*—Antennæ dense pectinatæ. Abdomen apice latum quadratum. *Fœm.*—Antennæ pectinatæ; rami subclavati. Abdomen apice conicum.

Hypochrosis, Guen. Phal. ii. 536.

Body depressed. Palpi contiguous to the front; third joint obtuse. Antennæ very acute. Thorax short, not speckled; tegulæ diverging. Abdomen stout. Wings smooth, silky, entire, alike in colour and with like markings, the latter oblique. *Male.*—Antennæ with long approximate branches. Abdomen broad and quadrate at the tip. *Female.*—Antennæ with shorter subclavate branches. Abdomen conical at the tip.

1. HYPOCHROSIS STERNARIA.

Mas et fœm. Plumbeo-cinerea; abdomen subтус fulvum; alæ subnitentes, subтус fulvæ; anticæ lineis duabus nigris postice connexis, spatio marginali subтус vinoso-cinereo; posticæ linea obliqua nigra costam non attingente.

Hypochrosis sternaria, Guen. Phal. ii. 537, 1775.

Hindostan.

2. HYPOCHROSIS HYADARIA.

Fœm. Pallide carneo-cinerea, H. festivariæ affinis; alæ substrigatæ; antica lineis duabus obliquis rectis parallelis fuscorufis, 1a apud costam incrassata, 2a lunulaque apicali connexis, annulo discali; posticæ linea una costam non attingente; quatuor subтус ochraceo-flavæ.

Hypochiria hyadaria, Guen. Phal. ii. 537, 1776.

Hindostan.

3. HYPOCHROSIS FESTIVARIA.

Mas. *Carnco-cinerea*; *alæ substrigatæ*, *marginibus obscurioribus*, *maculis magnis viridibus pallido marginatis*; *anticæ acutæ*, *bimaculatæ*, *marginē exteriore recto*; *posticæ unimaculatæ*, *angulo interiore subproducto*.

Phalæna festiviaria, *Fabr. Ent. Syst.* iii. 2, 84.

Hypochrosis festiviaria, *Guen. Phal.* ii. 537, 1777.

Hindustan.

4. HYPOCHROSIS JASMINARIA.

Mas. *Sordide olivacea*, *subtus lateritia*; *alæ nigricante strigatæ*; *anticæ longæ*, *acutæ*, *falcatæ*, *lineis duabus cinereo-albis*, *1a obliqua*, *2a transversa*, *macula discali obscura*, *annulo indistincto*; *posticæ breves*, *subtrigonæ*, *macula discali cinerea*.

Hypochrosis Jasminaria, *Guen. Phal.* ii. 538, 1779.

Hindustan.

5. HYPOCHROSIS LYCORARIA.

Mas. *Pistacino-viridis*, *subtus lateritia*; *alæ conspersæ*, *dimidio apicali rufescente-fusco*; *costa fusciscente-rosea*; *anticæ acutæ*, *falcatæ*, *linea obliqua lineolam argenteam includente*; *anticæ linea costali obliqua e atomis subpurpurascente-albis*.

Hypochrosis lycoraria, *Guen. Phal.* ii. 538, 1778.

Borneo.

Genus 2. ACHROSIS.

Palpi graciles, disjuncti, oblique ascendentes; articulus 3us minimus, discolor. Thorax brevis, punctatus; tegulæ breves. Alæ velutinæ, sat angustæ, marginē exteriore inciso aut flexo; anticæ lineis transversis parallelis, marginē exteriore subangulato; posticæ truncatæ, lituris subobsoletis.

Achrosis, *Guen. Phal.* ii. 339.

Palpi slender, obliquely ascending, apart from each other; third joint indistinct, very short, differing in colour from the others. Antennæ like those of *Hypochrosis*. Thorax short, speckled; tegulæ short. Wings velvety, rather narrow, with the exterior border notched or bent. Fore wings with transverse parallel lines; exterior border forming a rounded obtuse angle. Hind wings truncated, with nearly obsolete markings.

1. ACHROSIS PYRRHULARIA.

Mas. *Subcarneo-cinerea*; abdomen *nigricans*, pallido cinctum, subtus flavum; alæ anticæ lineis duabus pallidis transversis subparallelis, 1a nigro marginata, 2a submarginali subdentata, spatio basali strigis punctisque nigris, maculis duabus nigris, 1a costali, 2a apud angulum interiorem, spatio marginali flexo et angulato; posticæ cinereæ, apud marginem interiorem nigro strigatæ, margine exteriori postico inciso.

Achrosis pyrrhularia, Guen. Phal. ii. 539, 1780.

Hindostan.

This species and *Pagrasa instabilita*, p. 1086, are identical, and therefore the two latter names cannot be retained.

7/10/2019

L I S T

OF THE

S P E C I M E N S

OF

LEPIDOPTEROUS INSECTS

IN

THE COLLECTION

OF THE

BRITISH MUSEUM.

BY

FRANCIS WALKER, F.L.S., &c.

PART XXVI.—GEOMETRITES.

(CONTINUED).

PRINTED BY ORDER OF THE TRUSTEES.

LONDON, 1862.

380

LONDON:

PRINTED BY EDWARD NEWMAN,
9, Devonshire Street, Bishopsgate.

P R E F A C E .

THE object of the present Catalogue is to give a complete list of all the genera and species of Geometrites known to exist in the different collections. The letters *a, b, c, &c.*, after the species, denote the specimens now contained in the British Museum, followed by the *habitat* and the mode in which each of them was obtained, and the absence of these *letters* indicates the species which are desiderata, and therefore desirable to be procured for the collection.

JOHN EDWARD GRAY.

British Museum,

October 31, 1862.

CATALOGUE

OF

LEPIDOPTERA HETEROCERA.

FIFTH SERIES.

Tribe 10. GEOMETRITES. (Addenda).

Page 13.

URAPTERYX INFUSCATORIA.

Alæ quatuor fusco-ferrugineæ; anticæ fascia pallidiore; posticæ angulato caudatæ, subtus dilutiores; posticæ macula media ocellari.

Urapteryx infusculatoria, *Boisd. Voy. de l'Astrolabe, Pt. I. Lep. 256, 3.*
Bouroo.

URAPTERYX CAUDIFERARIA.

Alæ albæ, concolores, ambitu nigro; posticæ margine tenui albo, cauda alba, macula nigra.

Urapteryx caudiferaria, *Boisd. Voy. de l'Astrolabe, Pt. I. Lep. 255, 2.*
Doreï, New Guinea.

URAPTERYX EQUESTRARIA.

Alæ albæ, fasciis tribus communis fuscis; anticæ costa nigro punctata; posticæ angulato caudatæ, puncto nigro basi caudæ.

Urapteryx equestraria, *Boisd. Voy. de l'Astrolabe, Pt. I. Lep. 255, 1.*
New Guinea.

URAPTERYX SCITICAUDARIA.

Mas. *Flava* ; *caput antice ferrugineum* ; *alæ linea marginali tenuissima nigricante, fimbria ochracea* ; *anticæ lineis quatuor obscure flavescensibus, 1a postice abbreviata, 4a strigulari, costa nigro strigata* ; *posticæ caudis lanceolatis, ochraceo et atro guttatis.*

U. picticaudata, var. ?

Male. Bright pale yellow, white beneath. Head ferruginous, excepting the vertex. Wings with an interior straight upright transverse dull yellow line ; fringe mostly orange, with a very slender blackish line at its base. Fore wings acute, with three other nearly straight and upright dull yellow lines, of which the first is much abbreviated hindward, the second is entire, and the third is incomplete and composed of very slender streaks ; costa with minute transverse black streaks. Hind wings with an indistinct blackish line at the lanceolate and rather long tails ; this line includes an orange dot and a deep black dot ; the latter is hindward. Length of the body 10 lines ; of the wings 28 lines.

This species and *U. Sambucaria* are closely allied, but the former may be distinguished by the additional line on the fore wings, and by the longer tails of the hind wings. It seems to connect *U. Sambucaria* with *U. Podaliriata*.

a. ——— ? Presented by E. Doubleday, Esq.

Page 19.

CHÆRODES TRANSFERENS.

Eutrapela Clemataria, Cat. Lep. 1st ser. p. xx. 35.

CHÆRODES ? RHODARIA.

Mas. *Ochraceo-cervina* ; *alæ linea exteriore fusca obliqua subrecta, puncti discalis nigri margine cinereo, linea submarginali cinerea brevi valde dentata, margine exteriore subangulato* ; *anticæ linea interiore tenui undulata, plaga submarginali fusca purpurascente marginata.*

Microgonia rhodaria, Herr.-Sch. Exot. Schm. pl. 62, f. 348.

Brazil.

Page 31.

CIRSODES ACUMINATA.

a, b. Venezuela. From Dr. Herrich-Schæffer's collection.

Page 33.

SABULODES COLOMBIATA.

a. Venezuela. From Dr. Herrich-Schæffer's collection.

Page 46.

CLYSIA ANGULOSA.

Pallidissime rosea ; alæ subconspersæ, linea interiore flavescente vix obliqua, margine exteriori valde falcato ; anticæ strigis submarginalibus posticis ochraceis ; posticæ fascia submarginali glaucescente.

Phalæna-Geometra angulosa, Cram. Pap. Exot. iv. 137, pl. 366, f. E.

Surinam.

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OXYDIA TRAPEZATA.

Mucronodes mundipennata, page 37.

a, b. Venezuela. From Dr. Herrich-Schæffer's collection.

Page 53.

OXYDIA VESULIA.

a. Venezuela. From Dr. Herrich-Schæffer's collection.

Page 55.

OXYDIA CLAVATA.

Oxydia clavata, Herr.-Sch.

a, b. Venezuela. From Dr. Herrich-Schæffer's collection.

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CYCLIDIA SUBSTIGMARIA.

Var. Female. Whitish. Head deep black. Palpi porrect, not extending beyond the head; third joint extremely short. Antennæ compressed. Legs short, stout, smooth; hind tibiæ with four stout spurs. Wings ample, with brownish cinereous oblique markings, which consist of a dentate line near the base, a middle band which is much dilated in the disk of the fore wings, an exterior band which is very attenuated in the disk of the fore wings and is much dilated towards the costa, and a submarginal zigzag line which is accompanied by points; under side with a large blackish discal spot. Fore wings acute; costa very convex; exterior border straight, very oblique. Length of the body 9 lines; of the wings 30 lines.

Hong Kong. Presented by J. C. Bowring, Esq.

The three following species of *Cyclidia* differ much from the typical form of the genus.

CYCLIDIA METAPHÆARIA.

Mas. Pallide lutea; caput fuscum; abdomen fuscescente-cinereum, fasciculo apicali flavescente; alæ nigro subconspersæ, annulo discali nigro, fascia marginali albida antice abbreviata, lunulis marginalibus paucis nigris, margine exteriori subinciso; anticæ cinereæ, basi luteæ, postice ferrugineæ, vitta tenui duplicata vix undulata; posticæ cinereo-fuscæ.

Male. Pale luteous. Head dark brown. Abdomen brownish cinereous, excepting the apical tuft. Wings thinly and minutely black-speckled, with a black discal ringlet; exterior border broadly but irregularly whitish, excepting towards the costa of the fore wings; a few black marginal lunules, some of them incomplete. Fore wings mostly ferruginous hindward, cinereous except towards the base in front of a double hardly undulating blackish line, which extends from the interior border and becomes evanescent in the disk. Hind wings cinereous-brown; exterior border more notched in front than that of the fore wings. Length of the body 12 lines; of the wings 32 lines.

a. Darjeeling, Hindostan. Presented by the Secretary of the India Board.

CYCLIDIA MURICOLARIA.

Fœm. *Fuscescente-cinerea; caput fuscum; alæ guttis marginalibus nigricantibus, margine exteriori non inciso; anticæ fasciis tribus fuscis, lineis quatuor denticulatis albidis, fascia 2a antice dilatata guttam albidam includente, fascia 3a antice dilatata strigam albidam includente; posticæ lineis albidis valde dilatatis.*

Female. Brownish cinereous. Head dark brown. Antennæ compressed. Abdomen with a slight ochraceous tinge. Wings with blackish submarginal dots; exterior border not notched. Fore wings hardly acute, with three brown bands; first band indistinct, near the base, along the inner side of a whitish curved denticulate line; second band dilated in front, where it includes a whitish dot and is bounded on the inner side by a whitish line; three exterior denticulated slightly undulating lines; second line indistinct; third contiguous to the third brown band, which is dilated in front, where it contains the commencement of a fourth whitish line; costa convex. Hind wings with the lines mostly dilated, and connected so that most of the surface is whitish. Length of the body 9 lines; of the wings 36 lines.

a. Darjeeling, Hindostan. Presented by the Secretary of the India Board.

CYCLIDIA? PLAGIDOTATA.

Fœm. *Albida; abdomen apicem versus ochraceum; alæ integræ; anticæ ferrugineo conspersæ, plagis tribus costalibus margineque exteriori lunulaque discali ferrugineis; posticæ extus subconsersæ, plagis quatuor nigricantibus.*

Female. Whitish. Abdomen ochraceous towards the tip. Wings ample, entire. Fore wings with ferruginous speckles, which form three patches on the costa, and are also confluent along the exterior border, except towards the interior angle; discal lunule ferruginous; costa convex; tips somewhat rounded. Hind wings extending much beyond the abdomen, slightly speckled exteriorly with four blackish patches, of which the first is discal, the second by the tip of the costa, the third near the interior angle, and the fourth extending along the exterior border. Length of the body 9 lines; of the wings 30 lines.

This species has the fore wings much less elongated than those of the two preceding species, but the specimen described is too much mutilated to ascertain whether it certainly belongs to the genus *Cyclidia*.

a. Darjeeling, Hindostan. Presented by the Secretary of the India Board.

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Genus LAGYRA.

This genus and *Chizala*, p. 263, may be united.

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LAGYRA TALACA.

Var. Fœm. *Cervina*; *alæ roseo tinctæ, fascia media ferruginea indistincta*; *anticæ margine exteriori ex parte lineaque interiori ferrugineis*.

Var. Female. Fawn-colour. Wings with a dull rosy tinge; middle band ferruginous, indistinct. Fore wings with an indistinct interior ferruginous line, and with a ferruginous tinge along the fore part of the exterior border.

a. Canara. Presented by the Secretary of the India Board.

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LAGYRA HUMIFERATA.

Fœm. *Rufescente-cervina*; *alæ amplæ, fasciis duabus latis diffusis purpurascente-cinereis, lineis duabus dentatis indistinctis nigricantibus, margine exteriori dentato*; *anticæ elongatæ, falcatæ, apice rotundatæ*.

Female. Reddish fawn-colour, stout. Abdomen elongate-conical, slightly ridged. Wings ample, with two broad diffuse purplish cinereous bands and with two indistinct blackish dentate lines; these latter are more distinct on the under side. Fore wings elongate, very falcate, rounded at the tips, behind which they are deeply excavated; exterior border very oblique, less dentated than that of the hind wings. Length of the body 8 lines; of the wings 26 lines.

a. South Hindostan. Presented by Mr. J. Walhouse, Esq.

LAGYRA RIGUSARIA.

Mas. *Pallide cervina, gracilis, cinereo suffusa; caput ferrugineum; alæ lineis tribus obscurioribus denticulatis indistinctis, 3a fusco punctata, linea submarginali vix conspicua; anticæ valde falcatæ; posticæ margine exteriori subangulato.*

Male. Pale fawn-colour, slender, with a cinereous tinge. Head ferruginous. Wings with the interior line, the middle line and the exterior line darker, denticulated, indistinct; exterior line accompanied by some brown points; submarginal line very indistinct; fringe reddish. Fore wings acute, very falcate; exterior border convex hindward. Hind wings with the exterior border slightly angular. Length of the body 6 lines; of the wings 16 lines.

a. Canara. Presented by the Secretary of the India Board.

LAGYRA AQUILARIA.

Mas. *Murina; antennæ late pectinatæ, apices versus simplices; alæ cupreo et purpureo subinctæ, lineis duabus obliquis indistinctis subdenticulatis vix undulatis obscure ochraceis; anticæ valde falcatæ, margine exteriori recto; posticæ abdomen paullo superantes, margine exteriori subtruncato non inciso.*

Male. Mouse-colour. Antennæ broadly pectinated, bare towards the tips. Wings slightly cupreous and purple-tinged, with two oblique indistinct dull ochraceous slightly denticulated hardly undulating lines. Fore wings very falcate; exterior border straight. Hind wings extending a little beyond the abdomen; exterior border slightly truncated hindward, not notched. Length of the body 8 lines; of the wings 22 lines.

a. North China. From Mr. Fortune's collection.

LAGYRA? ABSTRACTARIA.

Mas. *Cinereo-cervina, subtus ochracea; caput antice fuscum; alæ anticæ elongatæ, acutæ, lineis duabus fuscis rectis obliquis postice approximatis, striga costali arcuata fusca, macula costali pallida, annulo discali nigro, plaga apud marginem interiorem nigricante, costa convexa.*

Male. Cinereous fawn-colour, ochraceous beneath. Head brown in front. Palpi slender, ascending, not rising so high as the

vertex; third joint extremely minute. Antennæ pectinated. Abdomen with a very small apical tuft, not extending beyond the hind wings. Legs smooth, slender; spurs short. Wings elongate. Fore wings acute, with two straight oblique brown lines; second line very oblique, proceeding from the tip of the wing and converging hindward towards the second; a curved brown streak proceeds from the costa and joins the line near the tip of the wing, and includes an elliptical paler costal spot; a black discal ringlet, and a blackish patch on the interior border beyond the line; costa convex; exterior border very oblique. Hind wings with an exterior line, which is more slight than that of the fore wings, and is obsolete towards the costal space, which is much paler. Length of the body 6 lines; of the wings 20 lines.

Hindustan. In Mr. Saunders' collection.

LAGYRA?? DENTILINEATA.

Mas. *Ochraceo-cervina; caput antice rufum; palpi oblique ascendentes; alæ amplæ, linea exterior argentea angulosa ochraceo ex parte marginata apud costam retracta; anticæ elongatæ, falcatæ, apice rotundatæ, linea interior indistincta argentea, margine exterior subangulato antice subconcavo.*

Male. Ochraceous fawn-colour, more ochraceous beneath. Body more cinereous. Head red in front. Palpi obliquely ascending, extending a little beyond the head; third joint extremely minute. Antennæ rather broadly pectinated. Abdomen hardly extending beyond the hind wings. Hind tibiæ incrassated, with four moderately long spurs. Wings ample, with an exterior zigzag silvery line, which is partly ochraceous-bordered and is abruptly retracted towards the costa of the fore wings; fringe ferruginous, partly silver-tipped. Fore wings elongate, falcate, rounded at the tips, with an interior indistinct silvery line; costa straight; exterior border very oblique, slightly angular in the middle, slightly concave in front. Hind wings with some ferruginous marks about the exterior line and towards the interior angle. Length of the body 6—7 lines; of the wings 16—18 lines.

Rio Janeiro. In Mr. Fry's collection.

Genus AUZEA.

Fœm. Corpus sat gracile. Proboscis mediocris. Palpi decumbentes, brevissimi, articulo 3o minimo. Antennæ breves, appressæ. Pedes breves, validi, læves; tibiæ posticæ quadricaratae. Alæ elongatæ, amplæ; anticæ acutæ, subfalcatae, costa subconvexa, margine exteriore perobliquo antice inciso; posticæ apice subtruncatae.

Female. Body rather slender. Proboscis moderately long. Palpi decumbent, very short; third joint very minute. Antennæ short, somewhat flattened. Legs short, stout, smooth; hind tibiæ with four moderately long spurs. Wings elongate, ample. Fore wings subfalcate, acute; costa slightly convex, except towards the tip; exterior border convex, very oblique, notched in front; interior angle much rounded. Hind wings slightly truncated at the tips; exterior border hardly convex; interior angle somewhat prominent.

Allied to *Decetia*.

AUZEA RUFIFRONTATA.

Fœm. Pallide schistaceo-cinerea; caput antice coccineum; palpi, pectus anticum tibiæque anteriores, læte rufa; pedes pallide ochraceo; alæ linea recta obliqua obscure fusca, guttis exterioribus elongatis albis, punctis submarginalibus nigricantibus, striga costali apicali obscure fusca albo interlineata; posticæ antice albidæ, linea marginali glauco-alba.

Female. Pale slaty cinereous. Head crimson in front. Palpi, pectus in front and anterior tibiæ bright red. Legs pale ochraceous. Wings with a dark brown straight oblique line, which extends from a little beyond one-third of the length of the interior border of the hind wings to five-sixths of the length of the costa of the fore wings, where it joins a dark brown costal streak; an exterior row of elongated white dots, and some indications of a more exterior ferruginous band; submarginal points blackish; under side whitish, without markings. Fore wings with an interior straight dark brown line, which converges in front towards the other line; some little glaucous-white streaks along the apical part of the costa; under side with an ochraceous tinge on the fore part of the exterior border. Hind wings whitish in front; marginal line glaucous-white, slender, incomplete. Length of the body 6? lines; of the wings 20 lines.

a. Hindostan. Presented by Sir J. Hearsay.

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DREPANODES ABSCONDITARIA.

Mas et fœm. *Pallide cervina; caput ferrugineum; antennæ maris pectinatae, apices versus simplices; tibiæ posticæ maris longissime fasciculatæ; alæ lineis duabus obscurioribus indistinctis gracillimis subundulatis, puncto discali albo minimo nigricante marginato.*

Male and female. Pale fawn-colour, paler beneath. Head ferruginous. Palpi ascending, very short, pale beneath. Antennæ of the male pectinated to nearly two-thirds of the length. Hind tibiæ of the male densely tufted with very long hairs. Wings with two darker indistinct very slender slightly undulating lines; discal point white, blackish-bordered, very minute; exterior border convex. Fore wings acute; costa straight. Length of the body 5—6 lines; of the wings 16 lines.

This species has some resemblance to the genus *Ephyra*.

a, b. St. Domingo. From Mr. Tweedie's collection.

c. St. Domingo. From Mr. Harse's collection.

DREPANODES LATISTRIGARIA.

Pallide lutea; alæ linea exteriore nigricante obliqua recta apud costam retracta; anticæ falcatae, puncto discali nigro, strigis duabus costalibus nigricantibus obliquis diffusis; posticæ fascia exteriore obscuriore, punctis posticis submarginalibus nigris.

Microsema latistrigaria, Herr.-Sch. *Exot. Schm.* pl. 84, f. 482.

Equinoctial America.

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The two following species may probably form two new genera.

DREPANODES? SCITARIA.

Mas. *Pallide ochracea, robusta; tibiæ latiusculæ; alæ strigis plurimis obscurioribus transversis indistinctis, linea recta obliqua saturate rufa, annulo subtus magno discali nigro; anticæ margine exteriore perobliquo.*

Male. Pale ochraceous, robust. Palpi broad, ascending, rising a little higher than the vertex; third joint very minute. Tibiæ

rather broad; spurs long. Wings with numerous minute transverse indistinct darker streaks; the line dark red, straight, extending from the middle of the interior border of the hind wings to the tips of the fore wings, near which it is indistinct; under side with a large black discal ringlet and with a black interrupted line which corresponds to the line on the upper surface. Fore wings acute; exterior border slightly convex, very oblique. Length of the body 4 lines; of the wings 12 lines.

a. Ceylon. From Mr. Stevens' collection.

DREPANODES ?? CIRCULITARIA.

Mas. *Rufescente-cinerea*; *caput antice fuscum*; *palpi graciles, decumbentes*; *antennæ brevisculæ, late pectinatæ*; *alæ amplæ, fuscæ conspersæ, linea recta obliqua ferruginea, fimbria rufescente*; *anticæ strigis marginalibus albidis nigro punctatis, costa subtus fulva.*

Male. Reddish cinereous. Head dark brown in front. Palpi slender, decumbent, much shorter than the breadth of the head; third joint more than half the length of the second. Antennæ broadly pectinated, rather short. Legs smooth; spurs long. Wings ample, transversely and indistinctly brownish speckled, with a straight ferruginous line which extends from the tips of the fore wings to one-third of the length of the interior border of the hind wings; fringe reddish; interior angle prominent. Fore wings acute, with marginal whitish black-pointed streaks; costa straight, fulvous beneath; exterior border straight, slightly oblique. Hind wings extending beyond the abdomen. Length of the body $5\frac{1}{2}$ lines; of the wings 16 lines.

a. Silhet. From the Rev. J. Stainforth's collection.

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PYRINIA FUSILINEATA.

Fœm. *Testacea*; *alæ nigricante substrigatæ, lineis duabus nigricantibus, 1a arcuata, 2a recta antice abbreviata, nebula fusca postica adhuc exteriore, fimbria rufescente, gutta discali subtus nigra*; *anticæ falcatæ.*

Female. Testaceous, rather stout, paler beneath. Wings thinly and transversely blackish-streaked; interior and exterior lines blackish; the former curved, less distinct than the latter, which

is straight and is abbreviated in front, and is accompanied on the outer side hindward by a blackish cloud; fringe reddish; under side with a black discal dot. Fore wings falcate, acute; exterior border convex hindward. Hind wings with the interior angle rather prominent. Length of the body 5 lines; of the wings 14 lines.

a. St. Domingo. From Mr. Tweedie's collection.

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PYRINIA PRUSIASARIA.

Rio Janeiro.

PYRINIA RUTILARIA.

Fœm. *Aurantiaca*; *alæ fusco conspersæ, antice flavo variæ, fasciis duabus angustis purpureis.*

Pyrinia rutilaria (*Geometra ampla, Eutrapela crepera*), *Hubn. Zutr.* 29, 87, f. 173, 174.

Surinam.

PYRINIA REFLECTARIA.

Mas. *Ochracea*; *caput rubrum*; *palpi porrecti, graciles*; *antennæ subpubescentes*; *abdominis latera subfasciculata*; *alæ rufo conspersæ, linea exteriorè rufa informi subdentata ex parte dilatata, linea marginali rufa indeterminata*; *anticæ apice rotundatæ, basi lineaque interiorè rufis.*

Male. Ochraceous, paler beneath. Head deep red. Palpi porrect, slender, not extending beyond the head. Antennæ very minutely pubescent. Abdomen with small tufts along each side. Wings thinly red-speckled; exterior line red, irregular, slightly dentate, partly dilated; marginal line red, incomplete, very irregular; under side with two complete broad lines. Fore wings rounded at the tips, red at the base, and with an interior oblique red line; exterior border straight, rather oblique. Length of the body $4\frac{1}{2}$ lines; of the wings 10 lines.

Amazon Region. In Mr. Saunders' collection.

PYRINIA CONCISATA.

Mas. *Rufescente-cervina, subtus lutea; caput anticum obscure rufum; alæ nigro subconspersæ, ex parte flavescences, linea marginali nigra valde abbreviata; anticæ linea interiore ferruginea costam versus retracta, linea exteriori ferruginea tenui abbreviata subarctuata, litura discali lineaque submarginali diffusa subtus albidis; posticæ linea exteriori fasciæque adhuc exteriori fuscescente.*

Male. Reddish fawn-colour, stout, luteous beneath. Head dark red in front. Palpi porrect, slender, hardly extending beyond the head; third joint very minute. Antennæ very minutely pubescent. Wings partly yellowish, thinly black-speckled; a black very incomplete marginal line appearing towards the interior border of the fore wings and towards the tips of the hind wings. Fore wings hardly acute; interior line ferruginous, abruptly retracted towards the costa; exterior line ferruginous, slender, slightly curved, abbreviated in front; under side with a whitish discal mark, and with a whitish diffuse submarginal line, which is most distinct in front. Hind wings with a blackish oblique exterior line, which is accompanied on the outer side by a pale brown band. Length of the body 3? lines; of the wings 9 lines.

Amazon Region. In Mr. Saunders' collection.

PYRINIA SIGILLATA.

Fœm. *Rufescente-cervina; palpi graciles, brevissimi; alæ linea exteriori recta obliqua testacea intus fusco marginata, striga discali albida fusco marginata; anticæ vix acutæ, linea interiore testacea extus fusco marginata.*

Female. Reddish fawn-colour, rather paler beneath. Palpi slender, very short, hardly extending beyond the front; third joint conical, very minute. Hind tibiæ rather slender, with four moderately long spurs. Wings with an oblique straight exterior testaceous line, which is brown-bordered on the inner side; discal streak short, whitish, brown-bordered. Fore wings hardly acute; interior line testaceous, straight, brown-bordered on the outer side; costa hardly convex; exterior border slightly convex, moderately oblique. Length of the body $3\frac{1}{2}$ lines; of the wings 10 lines.

a. Santarem. From Mr. Bates' collection.

PYRINIA INCENSATA.

Mas. *Latissime ochracea; caput rufum; palpi brevissimi; antennæ pubescentes; alæ rufo conspersæ, linea exteriorè rufa recta obliqua bene determinata, linea submarginali indeterminata; anticæ subacutæ, gutta basali hyalina, linea interiorè rufa flexa, linea exteriorè apud costam furcata purpurascente signata.*

Male. Very bright ochraceous. Head red. Palpi porrect, hardly extending beyond the head; third joint extremely minute. Antennæ pubescent. Hind tibiæ incrassated. Wings minutely red-speckled; exterior line red, straight, oblique, well defined; submarginal line red, indistinct, nearly obsolete in the fore wings. Fore wings slightly acute, with a hyaline basal dot; interior line red, slight, bent; exterior line forked near the costa, where it includes a purplish mark. Length of the body 5 lines; of the wings 14 lines.

a. Parà. From Mr. Johnson's collection.

b. Cuenza. From Mr. Wallace's collection.

Var. β .—Wings more largely speckled; submarginal line very distinct, united with the exterior line in the disk of the fore wings.

Amazon Region. In Mr. Saunders' collection.

PYRINIA SUBAURATA.

Mas. *Purpurascente-rufa, subtus læte lutea; palpi brevissimi, oblique ascendentes; antennæ subpubescentes; abdomen luteo marginatum; tibiæ posticæ penicillatæ; alæ luteo variæ, nigro conspersæ, extus purpurascente nitentes, fasciis duabus subtus latis saturate rufis.*

Male. Purplish red, mostly bright luteous beneath. Palpi obliquely ascending, very short; third joint conical. Antennæ minutely setulose and pubescent. Abdomen extending a little beyond the hind wings, luteous along each side and at the tip; apical tuft rather large. Hind tibiæ with a long penicillate tuft of hairs. Wings minutely speckled with black, with the luteous ground hue here and there apparent; exterior half with purplish reflections; exterior line deep red, nearly straight; fringe yellowish; under side with two broad irregular deep red bands. Fore wings acute, mostly dull luteous; exterior border straight, very oblique. Length of the body 5 lines; of the wings 12 lines.

Closely allied to *P. Icesiata*.

Amazon Region. In Mr. Saunders' collection.

PYRINIA SATURATA.

Fœm. *Late ferrugineo-rufa, subtus ochracea; alæ linea exteriorè obliqua recta intus purpurascente marginata; anticæ acutæ, costa ochracea.*

Female. Bright ferruginous-red, bright ochraceous beneath. Palpi not extending beyond the head. Wings with an oblique straight exterior line, which extends from the tips of the fore wings to beyond the middle of the interior border of the hind wings, and is diffusedly bordered with metallic purplish on the inner side; marginal space diffusedly tinged with metallic purplish. Fore wings acute; costa mostly ochraceous; exterior border almost straight, slightly oblique. Hind wings with the interior angle rather prominent. Length of the body 5 lines; of the wings 14 lines.

Brazil. In Mr. Saunders' collection.

PYRINIA? COSTIPUNCTARIA.

Rufescens; alæ strigatæ, linea exteriorè nigricante subrecta extus purpurascente marginata, fascia submarginali purpurascente diffusa.

Polla costipunctaria, Herr.-Sch. Exot. Schm. pl. 84, f. 485.

Brazil.

PYRINIA? RADIOLATA.

Mas. *Pallide testacea, subtus flava; alæ fuscescente conspersæ, linea exteriorè nigricante subrecta ochraceo marginata radiolas albas emittente apud costam retracta, puncto discali nigricante; anticæ acutæ, linea interiorè recta.*

Male. Pale luteous, yellow beneath. Palpi pilose, slightly curved, not extending beyond the head. Antennæ stout. Legs smooth; hind tibiæ with four rather long spurs. Wings brownish-speckled; exterior line blackish, nearly straight, ochraceous-bordered, accompanied by short lanceolate white streaks, abruptly retracted towards the costa of the fore wings; discal point blackish. Fore wings acute, with an interior straight line, which resembles the exterior one, and is angular towards the costa; costa and exterior border slightly convex, the latter slightly oblique. Length of the body 6? lines; of the wings 16 lines.

Bio Janeiro. In Mr. Fry's collection.

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CRATOPTERA ? RECURVARIA.

Testacea ; alæ fascia tenui obliqua nigro interlineata et punctata apud costam alba ; anticæ falcatae, strigis tribus costalibus obliquis nigris, macula postica nigra ; posticæ macula postica ochracea ; quatuor subtus fusco nebulosæ macula discali cinerea rotunda punctum nigrum includente.

Cratoptera recurvaria, Herr.-Sch. Exot. Schm. pl. 84, f. 483, 484.
Venezuela.

GYNOPTERYX ? PRÆLATARIA.

Mas. *Ferruginea ; thorax antice flavescens ; alæ fimbria albida, subtus cinereæ fascia marginali cervina lineam nigram dentatam includente ; anticæ subfalcatae, costa flavescente, lituris subapicalibus cinereis, margine exteriori subflexo ; posticæ angulo interiore producto.*

Polla prælataria, Herr.-Sch. Exot. Schm. pl. 72, f. 417, 418.
Brazil.

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GYNOPTERYX UNICATA.

Mas. *Læte ochracea ; vertex albidus ; antennæ setulosæ ; abdominis latera subfasciculata ; alæ amplæ, linea obliqua recta saturatiore extus pallido marginata apud costam angulata, puncto discali nigro ; anticæ subfalcatae, fasciis duabus purpurascens-cinereis.*

Male. Bright ochraceous, paler beneath. Vertex whitish. Palpi obliquely ascending, not rising so high as the vertex ; third joint extremely small. Antennæ minutely setulose. Abdomen extending a little beyond the hind wings, with a few minute lateral tufts. Wings ample, with a deeper ochraceous straight line, pale-bordered on the outer side, extending from the middle of the interior border of the hind wings nearly to the tips of the fore wings, where it is abruptly bent inward ; discal point black. Fore wings subfalcate, with two purplish cinereous bands ; first band interior, interrupted ; second submarginal, much attenuated in front ; costa slightly convex ; exterior border concave. Hind wings with the interior angle prominent. Length of the body 7 lines ; of the wings 18 lines.

a. ——— ? Presented by E. Doubleday, Esq.

GYNOPTERYX ? SUBOBSCURATA.

Mas. *Ochracea; caput antice saturate rufum; palpi porrecti, brevissimi, gracillimi; antennæ latissime pectinatæ; alæ amplæ, fuscescente subnebulosæ, linea recta obliqua ferruginea; anticæ falcatæ, linea submarginali arcuata e punctis nigris, gutta discali nigricante; posticæ macula discali magna nigricante.*

Male. Ochraceous, much paler beneath. Head deep red in front. Palpi porrect, very short and slender, not extending to the front. Antennæ very broadly pectinated. Abdomen with a subquadrate apical tuft. Wings very ample, here and there slightly brownish-clouded, with a straight ferruginous line, which extends from near the tip of the costa of the fore wings to a little beyond one-fourth of the length of the interior border of the hind wings. Fore wings falcate, with a curved submarginal line of black points; discal dot blackish; exterior border convex. Hind wings extending beyond the abdomen, with a large blackish discal spot; interior angle prominent. Length of the body 6 lines; of the wings 20 lines.

a. South Hindostan. Presented by M. J. Walhouse, Esq.

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EPIONE LIBORARIA.

Fœm. *Cervina; palpi graciles, breves, ascendentes; alæ nigro conspersæ, gutta discali nigricante, lineis tribus ochraceis indistinctis obliquis subrectis; anticæ plaga subapicali nigra ochraceo varia lineolam angulatam cineream includente, margine exteriori perobliquo.*

Female. Fawn-colour, much paler beneath. Palpi slender, ascending, not rising higher than the vertex. Wings minutely black-speckled; discal dot blackish, largest in the hind wings; basal interior and exterior lines ochraceous, indistinct, oblique, nearly straight and parallel; under side with a very indistinct darker submarginal band. Fore wings acute, with a black subapical patch, which is varied with ochraceous and is intersected by the commencement of a zigzag cinereous line; exterior border very oblique. Length of the body 5 lines; of the wings 16 lines.

a. St. Domingo. From Mr. Tweedie's collection.

EPIONE INFICITARIA.

Mas. *Pallide straminea ; alæ cervino transverse conspersæ, linea exteriorè obliqua subrecta obscure ochracea, fascia latè marginali subpurpurascente-ænea, puncto discali nigro ; anticæ linea interiorè cervina angulosa.*

Male. Pale straw-colour, a little brighter beneath. Palpi not extending beyond the front. Antennæ pectinated for full two-thirds of the length. Wings transversely speckled with fawn-colour ; exterior line dull ochraceous, oblique, nearly straight, extending from the tips of the fore wings to beyond the middle of the interior border of the hind wings ; a broad marginal band with a dull purplish æneous tinge ; discal point black ; exterior border convex. Fore wings with a zigzag interior fawn-coloured line. Length of the body 5 lines ; of the wings 14 lines.

Brazil. In Mr. Saunders' collection.

EPIONE ? ROSEIGERA.

Mas. *Ochracea ; caput roseum ; palpi graciles, brevissimi, oblique ascendentes, articulo 3o minimo ; antennæ ciliatæ ; pedes læves, breves ; alæ latiusculæ, roseo conspersæ, lineis quatuor purpurascentibus incompletis denticulatis, macula discali albida nitente, linea marginali rosea ; anticæ apice subrotundatæ.*

Male. Ochraceous. Head rosy. Palpi slender, obliquely ascending, very short, not rising so high as the vertex ; third joint very minute. Antennæ ciliated. Legs smooth, short. Wings rather broad, thickly covered with rosy speckles ; four incomplete slender denticulated dark purplish lines ; discal spot whitish, shining, largest in the hind wings ; marginal festoon rosy ; fringe double ; exterior border convex. Fore wings slightly rounded at the tips ; costa almost straight. Length of the body 5 ? lines ; of the wings 14 lines.

a. Brazil. From M. Becker's collection.

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EPIONE ? CHALCOSPILATA.

Mas. *Ochracea ; caput antice rufescens ; palpi porrecti, compressi, caput superantes, articulo 3o minimo ; antennæ late*

pectinatae; abdomen segmentis 1—3 cupreo verrucosis; alae rufescente conspersae, linea exterior cuprea subundulata, gutta discali nigricante; anticae linea interiore cuprea flexa, costa convexa.

Male. Ochraceous, paler beneath. Head reddish in front. Palpi porrect, compressed, extending beyond the head; third joint extremely minute. Antennae broadly pectinated, except at the tips. Abdomen not extending beyond the hind wings; first, second and third segments with cupreous protuberances. Legs smooth, slender; hind tibiae with four long spurs. Wings transversely and minutely reddish-speckled, with an exterior slightly undulating cupreous line; discal dot blackish; exterior border convex. Fore wings acute, with an interior bent cupreous line; costa convex. Length of the body 5 lines; of the wings 12 lines.

a. South Africa. Presented by R. Trimen, Esq.

EPIONE? INVEXATA.

Mas. Flava; caput et thorax cervina; palpi brevissimi; antennae late pectinatae, apice simplices; pedes longi, graciles; alae anticae acutae, basi subcervinae, puncto discali fusciscente, margine exterior subrecto; posticae annulo discali fusco, margine exterior subflexo.

Male. Yellow. Head and thorax fawn-colour. Palpi very short. Antennae broadly pectinated, except towards the tips. Legs long, slender. Wings slightly speckled with pale brown beneath. Fore wings acute, with a fawn-coloured tinge towards the base; discal point brownish; exterior border nearly straight. Hind wings with a small brown discal ringlet; exterior border slightly bent in the middle. Length of the body 6 lines; of the wings 14 lines.

Hindustan. In Mr. Saunders' collection.

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HYPERYTHRA VITTICOSTATA.

Mas. Lutea; caput ochraceum; thorax antice purpurascence-cinereus; alae ochraceo conspersae, lineis duabus deviis dilatatis purpurascence-cinereis, puncto discali nigro; anticae vitta costali lata purpurascence-cinerea.

Male. Luteous, paler beneath. Head ochraceous. Thorax purplish cinereous in front. Wings ochraceous-speckled, with two

irregular partly dilated purplish cinereous oblique bands; discal point black; under side with two very incomplete blackish bands. Fore wings acute, with a broad purplish cinereous costal stripe; exterior border slightly convex, rather oblique. Length of the body 6 lines; of the wings 18 lines.

a. Darjeeling. Presented by the Secretary of the India Board.

HYPERYTHRA SPURCATARIA.

Fœm. *Pallide ochracea, ferrugineo conspersa; alæ ferrugineo guttatæ, punctis marginalibus nigricantibus, margine exteriori subflexo, fascia subtus lata exteriori nigricante; anticæ subfulcatæ, fasciis quatuor ferrugineis obliquis subrectis subparallelis; posticæ bifasciatæ.*

Female. Pale dull ochraceous, with ferruginous speckles. Wings with many ferruginous dots, and with four oblique irregular nearly straight and parallel ferruginous bands, of which the first and the fourth are obsolete on the hind wings; marginal points blackish; exterior border slightly bent in the middle; under side with one blackish band, which is broad and exterior. Fore wings acute, slightly falcate. Length of the body 6 lines; of the wings 24 lines.

a. Darjeeling. Presented by the Secretary of the India Board.

HYPERYTHRA ENNOMOSARIA.

Fœm. *Luteo-flava; caput ferrugineo-fuscum; alæ fusco conspersæ, linea media fusca subundulata subdentata, fimbria fusca, margine exteriori subinciso; anticæ linea media apud costam dilatata, plagis duabus fuscis, 1a costali, 2a postica, linea inferiore fusca indistincta.*

Female. Luteous-yellow. Head ferruginous-brown. Wings with brown speckles, which are most prevalent on the hind wings and beneath; middle line brown, slightly undulating and dentate; exterior border here and there slightly notched; fringe brown. Fore wings acute, with an indistinct inner brown line; a brown patch on the interior border contiguous to the middle line and opposite to a brown costal patch; middle line dilated into a triangular costal spot. Length of the body 6 lines; of the wings 18 lines.

a. North Hindostan. Presented by the Secretary of the India Board.

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RUMIA? DEFIXATA.

Fœm. *Sulphurea; palpi brevissimi, gracillimi; alæ latiusculæ, ochraceo subconspersæ, linea exteriorè obliqua subrecta fuscescente; anticæ vix acutæ, gutta subapicali nigricante, costa ochracea subconvexa.*

Female. Sulphur-colour, a little paler beneath. Palpi very short and slender. Wings rather broad, minutely and indistinctly ochraceous-speckled, with a slender oblique nearly straight pale brownish exterior line, which extends from two-thirds of the length of the hind wings nearly to a blackish subapical dot on the fore wings; fringe full. Fore wings hardly acute; costa ochraceous, slightly convex; exterior border hardly convex, slightly oblique. Hind wings not extending beyond the abdomen. Length of the body $3\frac{1}{2}$ lines; of the wings 10 lines.

Brazil. In Mr. Saunders' collection.

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CAUSTOLOMA FLAVICARIA.

a. Europe. From Dr. Herrich-Schäffer's collection.

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ANGERONA PRÆCLARARIA.

Fœm. *Pallide flavescens; alæ elongatæ, fusco suffusæ, linea exteriorè e punctis nigris, linea submarginali e punctis pallide flavescens, plaga apud angulum interiorem pallida fusco conspersa; anticæ costa pallida fusco conspersa; posticæ margine exteriorè dentato.*

Female. Pale yellowish, mostly overspread with brown, except along the costa of the fore wings, which is speckled with brown. Palpi very short. Wings elongate, with an exterior line of black points; submarginal line composed of pale yellowish points; a pale brown-speckled patch about the interior angle. Fore wings acute; exterior border slightly convex, very oblique. Hind wings with the exterior border dentate. Length of the body 6 lines; of the wings 20 lines.

a. Canara. Presented by the Secretary of the India Board.

ANGERONA MENANARIA.

Fœm. *Ferrugineo-rufa; palpi graciles, caput superantes, articulo 3o longi-conico; alæ nigro conspersæ, punctis marginalibus nigris; margine exteriori subdentato; anticæ disco fasciæque submarginali nigricante-cinereis, lineis tribus subdenticulatis guttaque discali nigris; posticæ pallidiores.*

Female. Ferruginous-red, rather paler beneath. Palpi slender, extending somewhat beyond the head; third joint elongate-conical. Wings minutely speckled with black; marginal points black; exterior border very slightly dentate. Fore wings with the disk and a submarginal band blackish cinereous; three black slightly denticulated lines; discal dot black. Hind wings paler and with the lines much less distinct. Length of the body 7 lines; of the wings 22 lines.

a. New Zealand. From Mr. Churton's collection.

ANGERONA? VIOLACEARIA.

Cinereo-purpurascens; alæ elongatæ, lineis duabus nigricantibus postice arcuatis, puncto discalo nigro, fascia submarginali ochracea interrupta.

Melinoessa violacearia, Herr.-Sch. Exot. Schm. pl. 65, f. 371.

Venezuela.

ANGERONA? PATULATA.

Mas. *Cervina; palpi porrecti, frontem vix superantes; antennæ latissimæ pectinatæ; alæ amplæ, nigro subconsersæ, linea interiore e atomis nigris, litura discali nigricante, linea exteriori nigra antice punctulari postice integra.*

Male. Fawn-colour, hardly stout, more cinereous beneath. Palpi porrect, hardly extending beyond the front; third joint extremely short. Antennæ very broadly pectinated; branches pubescent. Abdomen not extending beyond the hind wings. Legs rather stout. Wings ample, thinly black-speckled; interior band formed of black speckles; discal mark blackish, small; exterior line black, formed of points in the fore wings, continuous in the hind wings. Length of the body 7 lines; of the wings 20 lines.

a. South Africa. Presented by Sir A. Smith.

ANGERONA? CRÆSARIA.

Læte ochracea ; alæ linea exteriorē obscuriore undulata, linea submarginali alba angulata nigro marginata ; anticæ linea interiorē obscuriore recta, puncto discali albo, costa cinerea.

Melinoessa Cræsaria, Herr.-Sch. Exot. Schm. pl. 65, f. 370.

Silhet.

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HYPERETIS? ACCESSARIA.

Fœm. *Glauco-rufa ; alæ anticæ fascia intermedia subarcuata, striga media antica, fascia obliqua recta strigisque duabus postmediis cinereis ; posticæ cinereo bifasciatæ.*

Crochiphora accessaria (Geometra ampla, Chleuastes vulgaris), Hubn. Zutr. Exot. 26, 252, f. 503, 504.

North America.

HYPERETIS? FLAVISTRIARIA.

Cinereo-fusca ; alæ anticæ obscure fuscæ, fascia angusta obliqua postmedia flava.

Crochiphora flavistriaria (Geometra ampla, Chleuastes vulgaris), Hubn. Zutr. 35, 278, f. 555, 556.

United States.

HYPERETIS? COMBINATARIA.

Mas. *Cervina, subtus lutea ; palpi flexi ; alæ nigricante conspersæ, lineis tribus fuscis obliquis subarcuatis, fascia adhuc exteriorē fuscescente ; anticæ acutæ ; posticæ margine exteriorē subdentato.*

Male. Fawn-colour, luteous beneath. Frontal tuft prominent. Palpi bent, a little shorter than the breadth of the head ; third joint elongate-conical, about half the length of the second. Antennæ moderately pectinated, except at the tips. Legs smooth, slender ; spurs long. Wings minutely blackish-speckled, with three oblique slightly curved brown lines, of which the first is obsolete in the hind wings ; a brownish band beyond the third line, most distinct on the under side. Fore wings acute ; costa straight ; exterior border convex, rather oblique. Hind wings with the exterior border

slightly festooned. Length of the body 6 lines; of the wings 16 lines.

a. St. Domingo. From Mr. Tweedie's collection.

HYPERETIS? TESSELLATA.

Fœm. *Cinereo-fusca; caput albido notatum; palpi brevissimi; antennæ graciles; alæ latiusculæ, ochraceo subvariæ, litura discali nigricante; anticæ macula quadrata ochraceo interlineata punctoque subapicalibus pallide flavis; costa subconvexa, margine exteriori angulato antice concavo; posticæ margine exteriori angulato.*

Female. Cinereous-brown, more cinereous beneath. Palpi extremely short. Head with a whitish transverse mark between the antennæ, which are slender. Legs smooth, slender; hind tibiæ with four short spurs. Wings rather broad, here and there indistinctly ochraceous; discal mark blackish, transverse. Fore wings acute, with a subapical quadrate pale yellow spot, which is intersected by an ochraceous line; a pale yellow point in front of the spot; costa slightly convex; exterior border concave between the tips and one-third of the length, where it is angular. Hind wings extending beyond the abdomen; exterior border angular in the middle. Length of the body 4 lines; of the wings 12 lines.

Brazil. In Mr. Saunders' collection.

HYPERETIS? QUADRILINEATA.

Fœm. *Pallide ochracea; palpi ascendentes, sat graciles, articulo 3o minimo; alæ glabræ, graciles, calcaribus parvis; alæ subelongatæ, nigro subconspersæ, linea interiore ferruginea subrecta vix angulata, puncto discali nigro; anticæ subacutæ, linea exteriori ferruginea subarcuata apud costam retracta, margine exteriori angulato; posticæ subcaudatæ.*

Female. Pale ochraceous. Palpi rather slender, obliquely ascending, not rising so high as the vertex; third joint extremely short. Legs smooth, slender; spurs short. Wings slightly elongate, with very few black speckles, and with an interior nearly straight and upright ferruginous line, which forms a rounded right angle near the interior border of the hind wings; discal point black, minute. Fore wings slightly acute, with a slightly curved ferruginous exterior line, which is abruptly angular towards the costa; exterior border angular. Hind wings extending a little beyond the

abdomen; exterior border subcaudate or forming a prominent acute angle, which contains a brown dot. Length of the body 5 lines; of the wings 14 lines.

Amazon River. In Mr. Saunders' collection.

HYPERETIS? INAPPLICATA.

Mas. *Pallide cervino-cinerea; palpi lati, porrecti, breves; alæ fusco conspersæ, lineis duabus fuscis indistinctis denticulatis, spatio marginali obscuriore; anticæ acutæ.*

Male. Pale cinereous, tinged with fawn-colour, somewhat ochraceous beneath. Palpi broad, porrect, much shorter than the breadth of the head; third joint very minute. Antennæ broadly pectinated. Abdomen extending a little beyond the hind wings. Hind tibiæ not incrassated. Wings thickly and transversely brown-speckled; interior and exterior lines brown, indistinct, denticulated; space from the exterior line to the border darker cinereous; exterior border convex. Fore wings acute; costa straight. Length of the body 7 lines; of the wings 16 lines.

a. South Africa. Presented by Sir A. Smith.

HYPERETIS ALIENARIA.

Mas et fœm. *Albido-cinerea, cervino dense conspersa; palpi oblique ascendentes; alæ striga discali lineaque exteriore cervinis, margine exteriore subangulato; anticæ linea interiore angulata cervina, linea exteriore valde angulata, guttis duabus submarginalibus nigris nonnunquam obsoletis.*

Male and female. Whitish cinereous, thickly speckled with fawn-colour. Palpi obliquely ascending, not rising so high as the vertex, broader in the male than in the female; third joint conical, minute, shortest in the male. Antennæ moderately pectinated in the male, slightly pectinated in the female. Wings with an exterior fawn-coloured line; discal streak fawn-colour; exterior border forming a rounded angle. Fore wings acute, with an interior fawn-coloured line, which forms an angle near the costa; exterior line very deeply angular; space between it and the exterior border mostly shaded with fawn-colour and containing two black spots, which are sometimes obsolete; a few black speckles about the interior and exterior borders. Hind wings with the exterior line

nearly straight in the male, slightly undulating in the female. Length of the body 5—6 lines; of the wings 16—18 lines.

a, b. ———? From Mr. Milne's collection.

HYPERETIS IRREGULATA.

Mas. *Pallidissime cervina*; *palpi pilosi, breves*; *alæ latæ, fusco conspersæ, linea obliqua notata tenui punctata, puncto discali nigro, margine exteriori vix flexo, fascia subtus submarginali lata cervina*; *anticæ strigis tribus costalibus ferrugineis.*

Male. Very pale fawn-colour, cinereous beneath. Palpi pilose, short. Antennæ moderately pectinated. Wings broad, minutely brown-speckled, with an oblique straight slight line, which is marked with darker points and extends from the tips of the fore wings to the middle of the interior border of the hind wings; discal point black; exterior border hardly bent; under side with a broad fawn-coloured submarginal band. Fore wings acute, with three short oblique ferruginous streaks on the costa, which is slightly convex towards the base; under side mostly yellow. Length of the body 6 lines; of the wings 16 lines.

a. ———? From Mr. Milne's collection.

NEMATOCAMPA RESISTARIA.

d—l. Nova Scotia. From Lieut. Redman's collection.

m. Orilla, West Canada. From Mr. Bush's collection.

n, o. ———?

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ENDROPIA PECTINARIA.

c. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.

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ENDROPIA EFFECTARIA.

Mas. *Ferruginea, cinereo varia*; *alæ lineis interiore et exteriori obliquis subdenticulatis obscure ferrugineis, illa costam versus flexa, linea media diffusa indistincta*; *anticæ subfalcatae, margine exteriori flexo subexcavato*; *posticæ gutta discali nigra, margine exteriori valde inciso.*

Male. Ferruginous, varied with pale cinereous, the latter hue most prevalent towards the base of the wings and along the costa of

the fore wings. Wings with the interior and exterior lines dark ferruginous, oblique, slightly denticulate; interior line bent towards the costa; middle line diffuse, indistinct; under side with the middle and exterior lines very distinct. Fore wings subfalcate; exterior border distinctly bent, slightly excavated. Hind wings with a black discal dot; exterior border much notched. Length of the body 9 lines; of the wings 20 lines.

Canada. In Mr. D'Urban's collection.

ENDROPIA? DECURTARIA.

Obscure cinerea; alæ fasciis duabus obscurioribus interruptis nebulosis, puncto discali nigro; anticæ subfalcatae, apud marginem anteriorem viridescens-cinereæ, litura costali subapicali nigra.

Acrosemia decurtaria, Herr.-Sch. Exot. Schm. pl. 84, f. 481.

Equinoctial America.

ENDROPIA? SUBAPICATA.

Mas. Rufescente-cervina; palpi porrecti, brevissimi; antennæ glabræ; tibiæ posticæ incrassatæ, calcaribus breviusculis; alæ elongatæ, nigro conspersæ, linea exteriori albida recta apud costam angulata, spatio adhuc exteriori pallido, puncto discali nigro; anticæ litura apicali nigricante, linea interiori ferruginea undulata, margine exteriori subangulato; posticæ sat angulatæ.

Male. Reddish fawn-colour, cinereous beneath. Palpi porrect, not extending beyond the head; third joint extremely short. Antennæ stout, smooth. Abdomen extending a little beyond the hind wings. Hind tibiæ incrassated, with four rather short spurs. Wings elongate, with minute black speckles, which are most distinct on the under side; exterior line whitish, straight, oblique, acutely angular towards the costa of the fore wings; space beyond the line paler; discal point black. Fore wings subquadrate at the tips, with a blackish apical mark; interior line ferruginous, undulating; costa hardly convex; exterior border slightly angular before the middle, very oblique hindward. Hind wings with a more prominent angle than that of the fore wings in the middle of the exterior border. Length of the body 6 lines; of the wings 14 lines.

Rio Janeiro. In Mr. Fry's collection.

ENDROPIA PRIVATARIA.

Fœm. *Albida; caput cervinum; palpi elongati, articulo 3o lineari; alæ amplæ, fusco conspersæ, cervino pallido subtinctæ, linea marginali fusca; anticæ subfalcatæ, linea exteriori fusca subrecta, linea interiori minus determinata, puncto discali strigisque submarginalibus fuscis, margine exteriori subflexo.*

Female. Whitish. Head fawn-colour. Palpi elongate; third joint linear, shorter and much more slender than the second. Legs smooth, rather stout; hind tibiæ with four moderately long spurs. Wings ample, minutely brown-speckled, slightly tinged with pale fawn-colour, which hue is most prevalent along the exterior border; marginal line brown. Fore wings subfalcate; exterior line brown, nearly straight; interior line less distinct; discal point brown; a row of submarginal brown streaks on the veins; exterior border very slightly bent. Hind wings with the exterior line apparent towards the interior border. Length of the body 8? lines; of the wings 20 lines.

a. Venezuela. From Mr. Dyson's collection.

ENDROPIA MIXTARIA.

Mas. *Pallidissime cervina; caput antice fuscum; alæ nitentes, nigro conspersæ, subpurpurascente suffusæ, linea exteriori nigricante subrecta extus pallido marginata, margine exteriori subflexo; anticæ linea interiori nigricante flexa diffusa indistincta, linea submarginali e guttis nigricantibus.*

Male. Very pale fawn-colour. Head brown in front. Antennæ moderately pectinated. Wings shining, black-speckled, with slight purplish reflections; exterior line blackish, nearly straight, pale-bordered on the outer side; exterior border slightly bent in the middle. Fore wings acute, with an interior bent blackish diffuse indistinct line; submarginal line distinguished by some blackish dots. Length of the body 7 lines; of the wings 16 lines.

a. ———?

ENDROPIA SEMICLUSARIA.

Fœm. *Cinerea, fusco conspersa; alæ amplæ, linea exteriori fusca undulata dentata latiuscula; anticæ vix acutæ, linea interiori guttaque discali fuscis, margine exteriori subflexo.*

Female. Cinereous, rather stout, very thickly speckled with pale brown. Abdomen not extending beyond the hind wings. Legs smooth; hind tibiæ with four short spurs. Wings ample; exterior line brown, undulating, dentate, rather broad. Fore wings hardly acute, with an interior dentate brown line and with a brown discal dot; costa almost straight; exterior border very slightly bent, moderately oblique. Length of the body 7 lines; of the wings 18 lines.

a. ———? From Mr. Milne's collection.

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ELLOPIA PRASINARIA.

a—d. Europe. From Dr. Herrich-Schæffer's collection.

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ELLOPIA RIBEARIA.

Abraxas? ribearia, p. 117.

a—f. Trenton Falls, New York. Presented by E. Doubleday, Esq.

g—i. Salem, New York. Presented by Dr. Fitch.

ELLOPIA ANIUSARIA.

Mas et fœm. *Pallide citrina; alæ subtus macula discali, linea submarginali maculari strigisque paucis fuscis; anticæ gutta discali maculisque duabus submarginalibus fuscis.*

E. ribearia, var.?

Male and Female. Pale lemon-colour. Head and fore part of the thorax brighter. Wings beneath with a few transverse brown speckles, with a discal brown spot, and with a submarginal line composed of brown spots, this line very incomplete in the fore wings. Fore wings with a brown discal dot, which is much smaller than that on the under side, and with two brown spots which indicate the submarginal line. Hind wings not marked above. Length of the body 6 lines; of the wings 15 lines.

Canada. In Mr. D'Urban's collection.

ELLOPIA SEMINUDATA.

Mas. *Flavescente-cinerea; palpi porrecti, brevissimi, gracillimi; antennæ late pectinatae; alæ amplæ, subvestitæ, fusco conspersæ; anticæ lineis duabus obliquis subrectis pallide fuscescentibus, litura discali fusca, costa subconvexa.*

Male. Yellowish cinereous. Head and fore part of the thorax more yellow. Palpi porrect, very short and slender, not extending beyond the head. Antennæ broadly pectinated. Legs smooth, rather short and stout; hind tibiæ with four moderately long spurs. Wings ample, thinly clothed, very minutely brown-speckled. Fore wings slightly acute, with two oblique pale brownish nearly straight lines, which diverge from each other in front, and have a small brown discal mark between them; costa and exterior border slightly convex, the latter rather oblique. Length of the body 8 lines; of the wings 20 lines.

a. Orilla, West Canada. From Mr. Bush's collection.

ELLOPIA FLAGIFASCIATA.

Mas et fœm. *Pallide cervina; palpi breves, oblique ascendentes; antennæ maris pectinatae; alæ ferrugineo conspersæ; anticæ acutæ, fascia latissima ferruginea extus valde incisa; posticæ fascia angusta informi ferruginea antice obsoleta.*

Male and female. Pale fawn-colour. Palpi obliquely ascending, hardly rising so high as the vertex. Antennæ of the male moderately pectinated. Wings transversely ferruginous-speckled; exterior border convex. Fore wings acute, with a very broad ferruginous band, which is deeply notched hindward on the outer side; this band is more straight on the inner side and less deeply notched on the outer side in the male than in the female. Hind wings with an irregular narrow ferruginous band, which is almost obsolete, except towards the interior border. *Var. β. Male*—Band of the fore wings much narrower. Length of the body 5—5½ lines; of the wings 16 lines.

a, b. New York. Presented by E. Doubleday, Esq.

ELLOPIA BASIARIA.

Mas. *Albida; caput et thorax testacea; palpi brevissimi; tibiæ posticæ incrassatæ; alæ testaceo subconsersæ, lineis duabus testaceis obliquis subrectis indistinctis; anticæ apice subrotundatæ, costa convexa.*

Male. Whitish. Head, thorax and fore wings at the base testaceous. Palpi very short. Antennæ stout, flattened. Hind tibiæ incrassated. Wings very indistinctly speckled with testaceous; two oblique indistinct nearly straight testaceous lines; exterior border slightly convex. Fore wings somewhat rounded at the tips; costa convex. Length of the body 5 lines; of the wings 14 lines.

a, b. New York. Presented by E. Doubleday, Esq.

ELLOPIA SUBPRIVATA.

Mas. *Albida; corpus subflavescens; caput antice rufescens; palpi porrecti, graciles; alæ anticæ vix acutæ, flavescente tinctæ, lineis duabus ochraceis obliquis subrectis, margine exteriori subflexo postice perobliquo; posticæ margine exteriori postico subtruncato.*

Male. Whitish. Body tinged with yellow. Head reddish in front. Palpi slender, porrect, extending very little beyond the front; third joint very minute. Antennæ moderately pectinated, except towards the tips. Abdomen extending very little beyond the hind wings, slightly tumid and compressed at the tip. Fore wings hardly acute, mostly tinged with yellow; interior and exterior lines ochraceous, oblique, nearly straight; costa straight; exterior border very slightly bent, very oblique hindward. Hind wings with the exterior line apparent towards the tip of the interior border; exterior border slightly truncated hindward. Length of the body 7 lines; of the wings 18 lines.

a. Trenton Falls, New York. Presented by E. Doubleday, Esq.

ELLOPIA INCOLORARIA.

Mas. *Albida; corpus pallide flavescens; palpi porrecti, graciles; alæ fasciis duabus flavescentibus diffusis subrectis subobliquis; anticæ basi flavescentes, apice rotundatæ, costa flavescente subconvexa.*

Male. Whitish. Body pale yellowish. Palpi porrect, slender, not extending beyond the head; third joint conical, acute, very minute. Antennæ broadly pectinated, except towards the tips. Abdomen not extending beyond the hind wings. Legs smooth, slender; hind tibiæ with four long spurs. Wings with two diffuse slightly oblique nearly straight yellowish bands. Fore wings somewhat rounded at the tips, yellowish at the base and along most of

the costa ; costa very slightly convex ; exterior border slightly convex and oblique. Length of the body 6 lines ; of the wings 13 lines.

a. New York. Presented by E. Doubleday, Esq.

ELLOPIA DEPLANARIA.

Mas. *Pallidissime cervina ; caput ferrugineum ; alæ cervino conspersæ, lineis duabus cervinis flexis, 1a valde indistincta, linea 3a gracillima informi lineaque 2a ex parte connexis, gutta discali nigricante, margine exteriore subflexo.*

Male. Very pale fawn-colour. Head ferruginous in front. Palpi obliquely ascending, not rising higher than the vertex ; third joint very minute. Antennæ broadly pectinated, except towards the tips. Wings speckled with pale fawn-colour ; interior and exterior lines pale fawn-colour, bent ; the former very indistinct ; the latter most curved in the hind wings, accompanied by an irregular and more slender line of the same hue ; discal dot blackish ; exterior border slightly bent ; under side hardly different from the upper side. Length of the body 6 lines ; of the wings 18 lines.

a. Georgia. From Mr. Milne's collection.

ELLOPIA SCITATA.

Mas. *Pallide testacea ; caput ochraceum ; palpi breves, graciles ; abdomen alas posticas paullo superans, fasciculo denso apicali ; alæ linea exteriore ochracea obliqua subrecta intus rufescente marginata ; anticæ apice subrotundatæ, linea interiore ochracea extus rufescente marginata.*

Male. Pale testaceous. Head and fore part of the thorax ochraceous. Palpi short, slender. Antennæ smooth. Abdomen rather thickly tufted at the tip, extending a little beyond the hind wings. Wings with an ochraceous oblique exterior nearly straight line, which is bordered with dull reddish on the inner side ; exterior border convex. Fore wings somewhat rounded at the tips, with an interior ochraceous line, which is bordered with dull reddish on the outer side and is nearly parallel to the exterior line. Length of the body 7 lines ; of the wings 16 lines.

a. East Florida. Presented by E. Doubleday, Esq.

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ELLOPIA DESPOLIATA.

Mas. *Pallidissime cervina; palpi breves, oblique ascendentes; alæ non conspersæ, linea exteriorè obliqua undulata subobscuriore valde indistincta, puncto discali nigricante minimo; anticæ vix acutæ, linea interiorè subobsoleta.*

Male. Very pale fawn-colour. Palpi slender, obliquely ascending, not rising so high as the vertex. Antennæ rather stout, slightly flattened. Wings not speckled, with an exterior oblique undulating slightly darker very indistinct line; discal point blackish, very minute; exterior border convex. Fore wings hardly acute, with an almost obsolete interior line. Length of the body 6 lines; of the wings 16 lines.

a. Venezuela. From Mr. Dyson's collection.

ELLOPIA INFLECTARIA.

Fœm. *Flava, gracilis; palpi brevissimi; alæ vix conspersæ; anticæ acutæ, costâ subrecta; posticæ valde pallidiores.*

Female. Yellow, slender, much paler beneath. Palpi very short. Wings hardly speckled; exterior border convex. Fore wings acute; costâ nearly straight; exterior border moderately oblique. Hind wings much paler. Length of the body 4 lines; of the wings 12 lines.

a. South Africa. Presented by Sir A. Smith.

ELLOPIA CONVEXARIA.

Mas. *Flava; palpi porrecti, brevissimi; antennæ pectinatæ; alæ linea obscuriore gracili obliqua subtus denticulata; anticæ apice subrectangulatæ, linea interiorè obliqua, costâ subconvexa; posticæ pallidiores.*

Male. Yellow. Palpi porrect, very short; third joint extremely minute. Antennæ pectinated. Wings with a slender oblique slightly darker line, which extends from near the tips of the fore wings to a little within two-thirds of the length of the interior border of the hind wings, and is denticulated on the under side. Fore wings with an oblique interior line, which is not denticulated beneath; tips nearly rectangular; costâ and exterior border slightly

convex, the latter rather oblique. Hind wings paler. Length of the body 6 lines; of the wings 16 lines.

a. South Africa. Presented by Sir A. Smith.

ELLOPIA INVEXATA.

Mas. *Pallide testacea; caput et thorax anticus ochracea; palpi graciles, porrecti; tibiæ posticæ non incrassatæ; alæ amplæ, linea exteriori ochracea vix undulata, margine exteriori subflexo; anticæ linea interiore, costa vix convexa.*

Male. Pale testaceous. Head and fore part of the thorax ochraceous. Palpi slender, porrect, not extending beyond the head; third joint very minute. Antennæ broadly pectinated. Abdomen not extending beyond the hind wings. Hind tibiæ not incrassated. Wings ample, thinly clothed, with an exterior dull ochraceous hardly undulating line; exterior border indistinctly bent. Fore wings acute, with an interior line, which is less oblique than the exterior one; costa very slightly convex. Length of the body 6 lines; of the wings 18 lines.

a. ——— ?

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CABERODES BASIFUSATA.

Fœm. *Pallide flava; alæ linea recta obliqua obscure viridescente, fascia exteriori lata informi obscure purpureo-rosea fusco tri-guttata, margine exteriori vix flexo; anticæ linea interiore arcuata subangulata viridescente spatium basale purpurascen-roseum includente.*

Female. Pale yellow. Palpi very short. Wings brighter and more speckled on the under side, with a straight oblique dark greenish line, which extends from the tips of the fore wings to two-thirds of the length of the interior border of the hind wings, and is contiguous on the outer side to a broad irregular dull purplish rosy band; the latter contains two brown dots in the fore wings and one in the hind wings; exterior border convex, hardly bent. Fore wings acute; basal space dull purplish rosy, limited by a much-curved and slightly angular dark greenish line. Length of the body 6 lines; of the wings 16 lines.

a. Mexico. Presented by E. Doubleday, Esq.

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CABERODES INFIXARIA.

Fœm. *Testaceo-albida, robusta; frons fuscescens; palpi porrecti, compressi, longiusculi, articulo 3o nigricante lineari obtuso; pectus lanuginosum; tibiæ posticæ non incrassatæ; alæ latiusculæ, fusco subconspersæ, linea marginali fusca, fimbria bis interlineata; anticæ subfalcatæ, lineis duabus subrectis strigisque exterioribus fuscis, litura discali parva fusca, margine exteriori vix flexo, spatio subtus marginali antico ferrugineo; posticæ unilineatæ, antice albidæ.*

Female. Testaceous-whitish, stout. Front brownish. Palpi porrect, compressed, rather long; third joint linear, blackish, obtuse, shorter and more slender than the second. Antennæ simple. Pectus lanuginous. Hind tibiæ not thickened; apical spurs short. Wings rather broad, with minute brown speckles, which are most numerous about the exterior border, the latter with a brown line; fringe doubly interlined. Fore wings subfalcate, with two slender brown nearly straight lines; some short brown streaks on the veins between the exterior line and the exterior border, which is hardly bent; a small brown discal mark; under side broadly ferruginous about the fore part of the exterior border. Hind wings with one line; fore half whitish. Length of the body 7 lines; of the wings 20 lines.

a. Venezuela. From Mr. Dyson's collection.

CABERODES ANTIDISCARIA.

Mas. *Pallide cinereo-cervina; vertex albidus; palpi porrecti, elongati; alæ linea exteriori recta obliqua fusca extus cinereo marginata intus ferrugineo diffuse marginata, punctis marginalibus nigris; anticæ acutæ, vix falcatæ, litura subcostali pallida oblonga nigro marginata.*

Male. Pale cinereous fawn-colour. Vertex whitish between the antennæ; frontal tuft prominent. Palpi porrect, as long as the breadth of the head; third joint conical, less than one-fourth of the length of the second. Antennæ moderately pectinated. Abdomen extending a little beyond the hind wings. Legs smooth; hind tibiæ not incrassated; spurs long. Wings rather broad, with a straight oblique exterior brown line, which is bordered with pale cinereous on the outer side and diffusedly bordered with ferruginous on the inner side, and is obsolete on the fore part of the hind wings;

marginal points black; exterior border convex. Fore wings acute, hardly falcate, with a pale oblong black-bordered mark, which is near the costa. Hind wings with a smaller and less distinct mark. Length of the body 7 lines; of the wings 16 lines.

a. East Florida. Presented by E. Doubleday, Esq.

CABERODES CLARIDISCATA.

Mas. *Flavescente-albida; caput antice fuscum; palpi ascendentes, subarcuati, articulo 3o brevissimo; alæ latæ, nigro conspersæ, apud marginem exteriorem cervinæ fusco nebulosæ; anticæ acutæ, linea interiore flexa liturisque costalibus fuscis.*

Male. Yellowish whitish. Head brown in front. Palpi ascending, slightly curved, not rising so high as the vertex; third joint extremely short. Antennæ broadly pectinated. Abdomen not extending beyond the hind wings. Hind tibiæ slightly incrassated; spurs moderately long. Wings broad, thinly and minutely black-speckled, tinged with fawn-colour along the exterior border, which is partly clouded with brown; the latter hue is most prevalent on the under side. Fore wings acute, with an interior bent brown line; some oblique brown costal marks; costa straight; exterior border very slightly oblique. Length of the body 5 lines; of the wings 14 lines.

a. Venezuela. From Mr. Dyson's collection.

CABERODES?? PUNCTIFERATA.

Fœm. *Cinerea, cervino pallido suffusa; frons nigro bipunctata; palpi apice nigri; alæ subconsersæ, linea exterior nigra punctulari, margine exterior non flexo; anticæ linea interiore e punctis nigris, linea exterior costum versus integra albido marginata.*

Female. Cinereous, mostly with a pale fawn-coloured tinge. Front with a black point on each side. Palpi porrect; third joint black, very minute. Wings slightly speckled; exterior line black, distinguished by points, except towards the costa of the fore wings, where it is entire and dentate and slightly whitish-bordered; exterior border convex, not bent. Fore wings acute; apical angle sharply defined; interior line composed of a few black points. Length of the body 6 lines; of the wings 16 lines.

a. Australia. From Mr. Milne's collection.

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TETRACIS ÆGROTATA.

a, b. From Dr. Herrich-Schæffer's collection.

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TETRACIS INÆQUARIA.

Fœm. *Obscure flavescens, subtus lutescens; palpi oblique ascendentes; alæ amplæ, purpurascente conspersæ, linea exteriorē fusca subrecta extus albido marginata apud costam angulata; anticæ subfalcatæ, linea interiorē fusca angulata intus albido marginata, costa vix convexa, margine exteriorē subflexo.*

Female. Dull yellowish, somewhat luteous beneath. Palpi short, obliquely ascending. Wings ample, transversely purplish-speckled; exterior line brown, nearly straight, whitish-bordered on the outer side, very abruptly retracted towards the tips of the fore wings. Fore wings acute, slightly falcate; costa hardly convex; exterior border slightly bent in the middle; interior line angular, brown, whitish-bordered on the inner side, along which the speckles are confluent, as they also are on the outer side of the exterior line. Hind wings with the exterior border rather less bent than that of the fore wings. Length of the body 6 lines; of the wings 16 lines.

Brazil. In Mr. Saunders' collection.

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PERICALLIA? DIORES.

Mas. *Fusca; alæ elongatæ, fasciis quatuor dentatis margineque tenui rufescentibus, apices versus pallide cervinæ; anticæ annulis quatuor submarginalibus nigris; posticæ denticulatæ.*

Phalæna-Geometra Diores, Cram. Pap. Exot. i. 119, pl. 75, f. F.

Surinam.

EROSINA HYBERNIATA.

a, b. Venezuela. From Dr. Herrich-Schæffer's collection.

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AZELINA HABENARIA.

Var.? *Obscure fusca; alæ anticæ lineis duabus nigris, 1a angulosa non obliqua apud costam retracta, 2a obliqua undulata, striga discali punctisque submarginalibus nigris bis albido notatis, vitta costali flavescente-cinerea; posticæ linea exteriori denticulata indistincta, vitta apud marginem interiorem cervina, ploga apud angulum interiorem flavescente.*

Var.? Dark brown, stout, dark cinereous beneath. Palpi slightly ascending, very broad, extending a little beyond the front; third joint cinereous, extremely minute. Antennæ stout, smooth. Legs smooth, rather stout; hind tibiæ with four long spurs. Wings elongate. Fore wings hardly acute; interior and exterior lines black; interior line zigzag, not oblique, retracted towards the costa; exterior line oblique, undulating; discal streak black; submarginal points black, whitish-pointed; a broad pale yellowish cinereous costal stripe between the two lines; costa straight; exterior border with two slight excavations in front and with two slight angles. Hind wings with an indistinct denticulate exterior line, with a bright fawn-coloured stripe along the interior border, and with a pale yellowish patch about the interior angle. Length of the body 6 lines; of the wings 18 lines.

Rio Janeiro. In Mr. Fry's collection.

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AZELINA CROCALLARIA.

a. Venezuela. From Dr. Herrich-Schæffer's collection.

AZELINA XYLINARIA.

a, b. Venezuela. From Dr. Herrich-Schæffer's collection.

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AZELINA SPECTRATA.

Azelina spectrata, Moriz.

a. Venezuela. From Dr. Herrich-Schæffer's collection.

AZELINA CERIATA.

a. Venezuela. From Dr. Herrich-Schæffer's collection.

AZELINA? APICITRUNCARIA.

Mas. *Purpurascente-cinerea*; abdominis fasciculus apicalis radiatus; alæ conspersæ, lineis duabus interioribus unaque exteriore nigricantibus, fascia exteriore informi ochracea; anticæ costa subochracea, lineola subapicali alba.

Thysanopyga apicitruncaria, Herr.-Sch. *Exot. Schm.* pl. 94, f. 536.
Brazil.

AZELINA? PERDICA.

Mas. *Purpureo-fusca*; antennæ subpectinatæ; alæ latæ, linea exteriore angulata flavescente; anticæ acutæ, fasciis duabus pallide rufescentibus, 1a postice attenuata, 2a postice abbreviata, margine exteriore convexo.

Phalæna Perdica, Cram. *Pap. Exot.* iv. 110, pl. 347, f. E.
Surinam.

AZELINA ATROPUNCTARIA.

Mas. *Cinereo-cervina*; palpi ascendentes; antennæ robustæ, subserratæ; alæ linea exteriore fusca subundulata extus cinereo marginata, linea submarginali cinerea angulosa, puncto discali nigro, margine exteriore angulato; anticæ linea exteriore apud costam retracta albido notata.

Male. Cinereous fawn-colour, more cinereous beneath. Palpi ascending, not rising higher than the vertex. Antennæ stout, minutely serrate and setulose. Abdomen not extending beyond the hind wings. Legs stout, smooth; hind tibiæ with four moderately long spurs. Wings rather broad; exterior line brown, slightly undulating, bordered with cinereous on the outer side; submarginal line cinereous, zigzag; discal point black. Fore wings acutely rectangular at the tips; exterior line retracted towards the costa, where it is bordered on the outer side by a whitish mark; interior line brown, slightly curved; costa straight; exterior border slightly angular. Hind wings extending beyond the abdomen; exterior border a little more angular than that of the fore wings. Length of the body 5 lines; of the wings 16 lines.

a. Venezuela. From Mr. Dyson's collection.

AZELINA METAGONARIA.

Fœm. *Obscure ochracea, subtus late lutea; alæ fusco conspersæ et lineatæ, linea basali angulata, linea interiore subundulata sat lata, linea exteriori lata recta intersecta, fascia adhuc exteriori schistacea; posticæ maculis duabus submarginalibus nigricantibus.*

Female. Dull ochraceous, bright luteous beneath. Palpi extending rather beyond the head; third joint conical, minute. Wings transversely brown-speckled; lines brown; basal line angular; interior line rather broad, slightly undulating; exterior line broad, straight, nearly parallel to the interior line, retracted towards the costa of the fore wings, intersected by a slender ochraceous line, contiguous on the outer side to a slate-coloured band, which on the under side resembles the line in colour, and is hardly distinguishable from it; marginal festoon blackish. Fore wings acute; exterior border slightly convex, very oblique. Hind wings with two irregular submarginal blackish spots; exterior border with two slight notches in front. Length of the body 7 lines; of the wings 17 lines.

a, b. Darjeeling. Presented by the Secretary of the India Board.

Var. Hind wings beneath with the interior line obsolete and with the exterior band very narrow.

c. Bootan. Presented by the Secretary of the India Board.

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ENNOMOS EXEMPTARIA.

Fœm. *Testacea; palpi porrecti, brevissimi; alæ nigro conspersæ, lineis interiore et exteriori nigricantibus diffusis obliquis subrectis; anticæ subfalcatæ, linea interiore apud costam retracta.*

Female. Testaceous, somewhat ochraceous beneath. Palpi porrect, connected, very short. Wings black-speckled; interior and exterior lines blackish, diffuse, oblique, nearly straight; exterior border convex. Fore wings subfalcate; costa slightly convex towards the base; interior line retracted towards the costa. Length of the body 6 lines; of the wings 18 lines.

a. South Africa. Presented by Sir A. Smith.

ENNOMOS ? SPILOTELARIA.

Fœm. *Pallide ochracea ; tibiæ posticæ subincrassatæ ; alæ amplæ, nigro subconspersæ, linea exteriori ferruginea subrecta, puncto discali nigricante ; anticæ acutæ, plaga apicali albida, costa vix convexa.*

Female. Pale ochraceous, paler and with a cinereous tinge beneath. Hind tibiæ slightly incrassated. Wings ample, slightly and minutely black-speckled, with a nearly straight exterior ferruginous line, which extends from beyond two-thirds of the length of the interior border of the hind wings to five-sixths of the length of the costa of the fore wings, where it borders a whitish oblong apical patch ; discal point blackish ; exterior border convex. Fore wings acute ; costa very slightly convex. Length of the body 7 lines ; of the wings 18 lines.

a. South Hindostan. Presented by M. J. Walhouse, Esq.

ENNOMOS ? POTENTARIA.

Fœm. *Pallide lutea, robusta, subtus ochracea ; palpi brevissimi ; alæ maculis duabus exterioribus nigricantibus, linea exteriori subrecta ferrugineo-rufa, spatio marginali lato ochraceo, punctis submarginalibus nigricantibus ; anticæ subfalcata, linea exteriori apud costam retracta.*

Female. Pale luteous, robust, ochraceous beneath. Palpi very short. Wings ample, with two blackish discal spots, which are most apparent on the under side ; exterior line ferruginous-red, nearly straight ; space beyond the line ochraceous ; submarginal points blackish ; exterior border convex. Fore wings acute, subfalcate ; exterior line retracted by the costa ; costa hardly convex. Hind wings with the interior angle prominent. Length of the body 8 lines ; of the wings 28 lines.

a. Australia. From Mr. Lambert's collection.

ENNOMOS USTARIA.

Mas. *Flavescente-cervina ; caput obscurius ; palpi brevissimi, subscendentes ; antennæ appressæ ; alæ nigro subconspersæ, linea media nigra obliqua diffusa subrecta ; anticæ acutæ, plagis duabus purpurascente-rufescentibus, margine exteriori subangulato ; posticæ plaga una purpurascente-rufescente, margine exteriori dentato.*

Male. Yellowish fawn-colour, paler beneath. Head darker. Palpi slightly ascending, very short, hardly extending beyond the front; third joint about half the length of the second. Antennæ smooth, flattened. Hind tibiæ slightly incrassated, with four moderately long spurs. Wings minutely black-speckled, with a middle black oblique somewhat diffuse nearly straight line. Fore wings acute, with two large purplish reddish patches; exterior border slightly angular. Hind wings with the exterior border dentate. Length of the body 6 lines; of the wings 18 lines.

This species hardly belongs to the genus *Ennomos*.

a. Auckland, New Zealand. From Mr. Oxley's collection.

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HERBITA? VENUSTA.

Saturate rufa; alæ latæ, litura discali linea exteriore punctisque submarginalibus plumbeis nigricante marginatis, lunulis marginalibus nigris; anticæ linea interiore fasciaque media nigricantibus, gutta intermedia plumbea.

Phalæna-Geometra Venusta, *Cram. Pap. Exot.* iv. 156, pl. 370, f. A.

Surinam.

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FASCELLINA INCENSATA.

Mas. Cinereo-purpurea, subtus ochracea; antennæ pectinatæ; abdomen apice ochraceum; alæ elongatæ, fascia obliqua flava vix undulata; anticæ subtus fasciis duabus purpurascence-cinereis.

Male. Cinereous-purple, very stout, ochraceous beneath. Head dark brown in front. Palpi ochraceous, obliquely ascending, not rising so high as the vertex; third joint purplish cinereous, very minute. Antennæ moderately pectinated. Abdomen not extending beyond the hind wings; tip ochraceous. Legs stout; hind tibiæ with four moderately long spurs. Wings long, with a yellow oblique hardly undulating middle band, which does not extend to the costa of the fore wings. Fore wings acute; costa straight; exterior border slightly convex, very oblique; under side with a purplish cinereous stripe along the interior border, and two purplish cinereous bands. Hind wings with an interrupted purplish cinereous marginal band. Length of the body 7 lines; of the wings 20 lines.

a. Aru Island. From Mr. Wallace's collection.

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ORSONOBA ? MEDMARIA.

Fœm. Cinereo-fusca ; palpi sat graciles, caput superantes, articulo 3o parvo ; alæ anticæ ferrugineo variæ, fascia media obscure fusca valde undulata cinereo marginata fasciolam cineream includente, fascia basali fusca angulata cinereo marginata, macula subapicali cinerea ; posticæ albido-cinereæ.

Female. Cinereous-brown, cinereous beneath. Palpi porrect, rather slender, extending beyond the head ; third joint conical, minute. Fore wings acute, partly ferruginous, with a dark brown middle band, which is limited by two deeply undulating cinereous lines, and is divided by a narrow cinereous straight oblique band ; exterior line dilated towards the costa into a large subapical spot ; a brown angular band near the base, bordered with cinereous on the outer side ; exterior border very oblique. Hind wings whitish cinereous. Length of the body 5 lines ; of the wings 18 lines.

a, b. Darjeeling. Presented by the Secretary of the India Board.

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For *Pyrinia Icosiata* read *Pyrinia Icesiata*.

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DECETIA ACCIPITERARIA.

Fœm. Cervina ; caput obscure fuscum ; palpi brevissimi ; alæ elongatæ, fusco conspersæ, fascia lata obliqua purpurascens extus concisa intus diffusa ; anticæ falcatæ, lineis duabus interioribus subobsoletis, punctis submarginalibus nigris ; posticæ abdomen longe superantes.

Female. Fawn-colour, much paler beneath. Head dark brown. Palpi very short. Wings elongate, thickly brown-speckled, with a broad oblique dark purplish band, which is concise on the outer side and diffuse on the inner side, and is obsolete beneath. Fore wings falcate, with two nearly obsolete inner lines ; a few irregular black submarginal points ; exterior border straight, except in front, very oblique. Hind wings extending much beyond the abdomen. Length of the body 4 lines ; of the wings 16 lines.

a. Venezuela. From Mr. Dyson's collection.

DECETIA TINCTARIA.

Fœm. *Cervina, subtus lutea; alæ glaucescente tinctæ, lineis duabus ferrugineis rectis obliquis, spatio intermedio lutescente; anticæ vix acutæ, annulo discali lato cinereo, linea exteriorè costam versus abrupte retracta; posticæ antice luteæ.*

Female. Fawn-colour, luteous beneath. Palpi vertical, slender, rising a little higher than the vertex; third joint elongate-conical. Wings elongate, partly tinged with glaucous-cinereous, with two oblique straight ferruginous lines; space between the lines mostly pale dull luteous. Fore wings hardly acute, with a broad cinereous discal ringlet; exterior line abruptly retracted towards the costa; costa slightly convex; exterior border straight, very oblique; under side with the discal ringlet and a broad marginal band reddish. Hind wings luteous in front. Length of the body 5 lines; of the wings 16 lines.

a. ——— ? Presented by E. Doubleday, Esq.

DECETIA ALBISTELLARIA.

Pallide flava, subtus ochracea; caput antice rufescens; alæ linea recta obliqua antice lutea postice rosea; anticæ falcatæ, apice roseæ, costa convexa; posticæ roseo subinctæ, guttis posticis elongatis albis.

Pale yellow, ochraceous beneath. Head reddish, except the vertex. Antennæ smooth, compressed. Wings ample, with a straight oblique line, which extends from the tip of the fore wings to the middle of the interior border of the hind wings, and is dull luteous on the former and rosy red on the latter. Fore wings with falcate rosy tips; costa and exterior border convex. Hind wings between the line and the exterior border with a slight rosy tinge and with some elongated white dots. Length of the body 6½ lines; of the wings 20 lines.

a. ——— ? Presented by E. Doubleday, Esq.

DECETIA LUNULIFERATA.

Fœm. *Pallide cinereo-cervina; palpi porrecti; alæ linea media undulata cervina, linea exteriorè fusca denticulata, linea submarginali cinerea angulosa, annulo discali magno elongato cervino; anticæ falcatæ, costa convexa.*

Female. Pale cinereous fawn-colour. Head rather darker. Palpi porrect, not extending beyond the head; third joint very minute. Legs smooth, slender. Wings very ample, with a large elongated fawn-coloured discal ringlet; middle line fawn-coloured, undulating, indistinct; exterior line brown, denticulated; submarginal line cinereous, zigzag; interior angle prominent. Fore wings falcate, very acute; costa convex. Hind wings extending beyond the abdomen. Length of the body 6 lines; of the wings 22 lines.

a. Canara. Presented by the Secretary of the India Board.

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TACPARIA? FRONTISIGNATA.

Fœm. *Schistaceo-cinerea; caput nigro fasciatum; palpi caput sat superantes; alæ latiusculæ, nigro conspersæ, linea exteriore ferruginea vix undulata cinereo pallido marginata, punctis marginalibus nigris; anticæ subfalcatæ, linea interiore, spatio inter lineas purpurascence-cinereo, striga discali nigricante.*

Female. Slaty cinereous. Head with a black band in front. Palpi porrect, compressed, nearly as long as the breadth of the head; third joint conical, minute. Legs smooth, rather slender; spurs long. Wings black-speckled, rather broad; exterior line ferruginous, hardly undulating, bordered with pale cinereous on the outer side; marginal points black. Fore wings subfalcate; interior line ferruginous, nearly straight; space between the lines purplish cinereous; discal streak transverse, blackish; an incomplete submarginal line of black points. Length of the body 5 lines; of the wings 14 lines.

a. Moreton Bay. From Mr. Diggles' collection.

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OMIZA PACHIARIA.

Var. Mas. *Viridescence-flava, subtus lutea; alæ linea viridi albido submarginata; anticæ macula subapicali alba, plaga submarginali viridi.*

Var. Male. Greenish yellow, luteous beneath. Wings with a green line, which is indistinctly whitish-bordered. Fore wings with a white subapical spot, and with a green patch near the fore part of the exterior border.

b, c. Darjeeling. Presented by the Secretary of the India Board.

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LAUDOSIA BUDDHICARIA.

Laudosia Buddloraria, p. 268.

a. From Dr. Herrich-Schæffer's collection.

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Genus CARIPETA.

Mas.—Corpus robustum. Proboscis valida. Palpi porrecti, fimbriati, sat graciles, caput non superantes; articulus 3us minimus. Antennæ subpectinatae. Abdomen alas posticas non superans. Pedes robusti, læves; tibiæ posticæ non incrassatæ. Alæ amplæ; anticæ acutæ, margine exteriori subconvexo. *Fœm.*—Antennæ glabræ.

Male.—Body stout. Proboscis robust. Palpi porrect, fringed, rather slender, not extending beyond the head; third joint very minute. Antennæ slightly pectinated, except towards the tips. Abdomen slightly tapering, not extending beyond the hind wings; apical tuft small. Legs stout, smooth; hind tibiæ with four moderately long spurs. Wings ample. Fore wings acute; costa straight; exterior border slightly convex, moderately oblique. *Female.*—Antennæ smooth.

CARIPETA ANGUSTIORATA.

Mas et fœm. *Ochracea*; alæ anticæ macula discali rotunda, vitta discali furcata, fascia exteriori obliqua subrotundata fasciæque adhuc exteriori informi conspersa albis; posticæ extus nigricante conspersæ, margine exteriori subochraceo; posticæ albido-cinereæ.

Male and female. Ochraceous, mostly whitish cinereous beneath. Abdomen and hind wings whitish cinereous. Fore wings with white markings; a round discal spot; a forked discal stripe, which is connected with an exterior oblique slightly undulating and bent exterior band; a more exterior irregular and speckled band; fringe with brown marks. Hind wings blackish-speckled exteriorly, with an ochraceous tinge along the exterior border. Length of the body $5\frac{1}{2}$ lines; of the wings 17 lines.

a, b. Nova Scotia. From Lieut. Redman's collection.

CARIPETA DIVISATA.

Mas et fœm. *Albido-cinerea*; *alæ anticæ fuscæ, nigro conspersæ, fasciis albis flexis nigricante marginatis, linea submarginali interrupta diffusa, macula discali alba.*

Male and female. Whitish cinereous, somewhat dingy beneath. Fore wings brown, with black speckles; interior and exterior bands white, bent, blackish-bordered, variable in breadth and in outline; submarginal line very incomplete and diffuse; discal spot white, transverse, variable in breadth. Hind wings whitish cinereous. Length of the body 5—6 lines; of the wings 15—17 lines.

a—f. Nova Scotia. From Lieut. Redman's collection.

g. New York. Presented by E. Doubleday, Esq.

h. ———? From Mr. Milne's collection.

i. ———?

CARIPETA LATIORATA.

Mas. *Cervina*; *alæ nigro conspersæ; anticæ fuscescentes, vitta discali, fasciis duabus exterioribus maculaque discali rotunda albis, costa cervina; posticæ lituris nullis.*

Male. Fawn-colour, mostly cinereous beneath. Wings minutely black-speckled. Fore wings brownish, excepting the costa, with white markings, which consist of a round discal, an irregular discal stripe, and two irregular exterior bands. Hind wings without markings. Length of the body 8 lines; of the wings 20 lines.

a. East Florida. Presented by E. Doubleday, Esq.

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PHALLARIA? CONDUCTARIA.

Fœm. *Pallidissime cervina; palpi lati, brevissimi; alæ nigro conspersæ; linea ferruginea recta duplicata apices attingente, punctis marginalibus nigris, fascia subtus submarginali fusca diffusa interrupta; anticæ subfulcæ; posticæ gutta subtus discali nigricante.*

Female. Very pale fawn-colour. Palpi broad, extending very little beyond the front; third joint extremely minute. Wings ample, minutely black-speckled, with a straight ferruginous double line, which extends from two-thirds of the length of the interior

border of the hind wings to the tips of the fore wings, on approaching which it is slightly bent outwards; marginal points black; under side with an indistinct line composed of black points, beyond which there is a diffuse and much interrupted brown band. Fore wings acute, subfalcate. Hind wings with a blackish discal dot on the under side. Length of the body 6 lines; of the wings 16 lines.

a. Australia. From Mr. Damel's collection.

PHALLARIA? INDUCTARIA.

Fœm. Pallidissime cervina, P. conductariæ simillima; alæ nigro conspersæ, linea obscuriore recta indistincta nigro punctata costam attingente, puncto discali punctisque marginalibus nigris; posticæ subtus macula discali nigra.

Female. Very pale fawn-colour. Wings minutely black-speckled, with an indistinct straight darker line, which is accompanied by black points on the veins, and extends from two-thirds of the length of the interior border of the hind wings to the costa near the tips of the fore wings; discal point and marginal points black; under side with the line composed entirely of black points. Hind wings beneath a black discal spot. Length of the body 4 lines; of the wings 12 lines.

This may be a variety of the preceding species, notwithstanding the difference in the oblique line.

a. Sydney. From Mr. Diggles' collection.

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Genus AUXIMA.

Mas. Corpus crassum. Proboscis brevis. Palpi breves, latissimi, pilosissimi, oblique ascendentes; articulus 3us conicus, parvus. Antennæ pectinatæ, apices versus nudæ. Pectus lanuginosum. Pedes validi; tibiæ posticæ calcaribus quatuor longis. Alæ amplæ; anticæ subfalcatæ, margine exteriori perobliquo; posticæ angulo interiore bene determinato.

Male. Body very stout. Proboscis short. Palpi short, obliquely ascending, very broad and pilose; third joint conical, minute. Antennæ moderately pectinated for nearly two-thirds of the length. Pectus lanuginous. Legs stout; hind tibiæ with four long spurs. Wings ample. Fore wings acute, subfalcate; exterior border hardly convex, very oblique. Hind wings with the interior angle prominent, sharply defined.

AUXIMA RESTITUTARIA.

Mas. *Obscure ochracea, purpurascente suffusa; alæ linea recta obliqua cinerea fusco marginata, linea subtus ferruginea.*

Male. Dark ochraceous, tinged with purple. Wings slightly shining, with a straight cinereous brown-bordered line, which extends from near the tips of the fore wings to beyond the middle of the interior border of the hind wings; under side with a straight ferruginous line, which extends from two-thirds of the length of the costa of the fore wings to beyond one-third of the length of the interior border of the hind wings. Length of the body 10 lines; of the wings 28 lines.

a. Darjeeling. Presented by the Secretary of the India Board.

AUXIMA DEBITARIA.

Mas. *Pallide lutea; caput et thorax pallide cinerea; alæ nigro conspersæ, linea recta obliqua alba extus fusco marginata, fasciis tribus subtus viridescens, la roseo tincta, linea subtus e punctis nigris.*

Male. Pale luteous. Head and thorax pale cinereous; tegulæ of the latter somewhat luteous. Wings thinly black-speckled, with a straight white line, which extends from the tips of the fore wings (where it is diffuse on the inner side) to two-thirds of the length of the interior border of the hind wings; this line is brown-bordered on the outer side, and there are no traces of it beneath; under side with three greenish very diffuse bands; first band with a rosy tinge; a row of black points on the veins between the first and second bands. Length of the body 11 lines; of the wings 26 lines.

a. Darjeeling, Hindostan. Presented by the Secretary of the India Board.

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PHIGALIA REVOCATA.

Mas. *Pallide cinerea; thorax fusco fasciatus; alæ fusco conspersæ, linea exteriori undulata punctisque marginalibus fuscis; antica linea exteriori punctisque marginalibus ex parte nigris, lineis duabus interioribus fuscis subrectis subparallelis vix obliquis. Fœm.—Alæ brevissimæ.*

Male. Pale cinereous. Antennæ broadly pectinated. Thorax with a brown band. Tibiæ and tarsi brown, with whitish bands.

Wings brown-speckled, with an undulating brown exterior line, which is partly black in the fore wings; marginal points brown, partly black in the fore wings. Fore wings with two brown interior nearly straight and upright and parallel lines. Length of the body 5—6½ lines; of the wings 18—20 lines.

Var. Mas. *Albido-cinerea*; *corpus fusco nigroque fasciatum*; *alæ fusco nigroque conspersæ*; *anticæ apice rotundatæ, lineis tribus nigris fuscisque subdentatis*, 1a 2aque postice *approximatis, lunulis marginalibus nigris*; *posticæ lineis indeterminatis*.

Var. Male. Whitish cinereous. Head with a brown band in front. Thorax and abdomen with brown and black speckles and bands. Wings ample, with brown and black speckles. Fore wings somewhat rounded at the tips, with three slightly dentate black and brown lines, of which the first and second are approximate hindward; marginal lunules black. Hind wings with three very incomplete lines.

a—g. United States. Presented by E. Doubleday, Esq.

Var. Mas. *Pallide cinerea*; *alæ nigricante subconsersæ, linea exteriore fusca denticulata apud venas nigricante, linea submarginali fere obsoleta, lunulis marginalibus nigris*; *anticæ lineis interiore et media subundulatis fuscis aut nigricantibus, lineis interiore et exteriore duplicatis*; *posticæ subtus puncto discali sat magno*.

Var. Male. Pale cinereous. Wings thinly and minutely blackish-speckled; exterior line brown, denticulated, blackish on the veins; submarginal line obsolete, except by the interior angle; marginal lunules black. Fore wings with the interior and middle lines brown or blackish, slightly undulating; interior line double, as is also the exterior line; under side tinged with brown. Hind wings with a rather large black point on the under side. Var.—Submarginal line more complete. Marginal lunules nearly obsolete on the hind wings.

h, i. ———?

Var. Mas. *Pallide cinerea*; *alæ vix conspersæ, punctis marginalibus nigris minimis*; *anticæ lineis tribus nigris*, 1a *subarcuata*, 2a 3aque postice *contiguas*, 2a *subrecta*, 3a *undulata extus duplicata*; *posticæ lineis apud marginem interiorem bene determinatis*.

Var. Male. Pale cinereous. Wings hardly speckled; marginal points black, very small. Fore wings with the interior, middle and exterior lines black; interior line slightly curved, accompanied on its inner side by an abbreviated brown line; middle line nearly straight; exterior line undulating, doubled on its outer side, contiguous to the middle line hindward; submarginal line incomplete; under side with a brown tinge. Hind wings with three incomplete lines, which are very distinct along the interior border; middle line extending nearly across the wing, rather more complete than the exterior line; under side with a distinct black discal point.

j. ———? From Mr. Milne's collection.

Var. Mas. Albido-cinerea; alæ elongatæ, fusco nigroque conspersæ, linea marginali fusca interrupta; anticæ apice rotundatæ, fasciis quatuor angustis diffusis nigro ex parte marginatis, 1a 2aque subrectis, 3a undulata, 4a valde interrupta.

Var. Male. Whitish cinereous. Head with a broad brown band in front. Proboscis short. Palpi extremely short. Antennæ broadly pectinated. Abdomen not extending beyond the hind wings. Legs stout, pilose; hind tibiæ with four rather short spurs. Wings broad, elongate, minutely speckled with brown and black; marginal line brown, interrupted. Fore wings somewhat rounded at the tips; costa straight; exterior border very slightly convex, rather oblique; four brown, narrow, diffuse partly black-bordered bands; first and second bands nearly straight; third undulating; fourth very incomplete, not black-bordered. Hind wings with fewer and less complete bands. Length of the body 6—7 lines; of the wings 18—20 lines.

h, l. ———?

CHONDROSOMA FIDUCIARIA.

a. Europe. From Dr. Herrich-Schæffer's collection.

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NYSSIA ALPINARIA.

a, b. Europe. From Dr. Herrich-Schæffer's collection.

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AMPHIDASIS CONTECTARIA.

Fœm. Albida; caput nigro fasciatum; thorax ochraceo bifasciatus; alæ strigulis transversis cervinis, lineis duabus atris flexis

ochraceo submarginatis, 1a basali, 2a submarginali valde angulata, gutta subtus discali nigra; posticæ marginæ exteriorē vix inciso.

Female. Whitish, minutely black-speckled. Head with a black band in front. Thorax with two ochraceous bands. Fore legs with blackish bands. Wings transversely streaked with fawn-colour; two deep black bent lines, which are partly and irregularly bordered with ochraceous; first line near the base; second near the exterior border, towards which it forms a well-defined angle; under side with a black discal dot. Fore wings somewhat rounded at the tips; exterior border very oblique, nearly straight. Hind wings with the exterior border hardly notched. Length of the body 10 lines; of the wings 36 lines.

a. Hindostan. Presented by Sir John Hearsay.

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Genus ZERMIZINGA.

Mas. Corpus sat gracile. Proboscis obsoleta. Palpi brevissimi. Antennæ late pectinatæ. Pedes læves, graciles, longiusculi; tibiæ posticæ, calcaribus quatuor breviusculis. Alæ anticæ elongatæ, apice subrotundatæ, costa recta, marginē exteriorē sat obliquo; posticæ abdomen paullo superantes.

Male. Body rather slender. Proboscis obsolete. Palpi extremely short. Antennæ broadly but not densely pectinated. Abdomen with a small apical tuft. Legs smooth, slender, rather long; hind tibiæ with four rather short spurs. Wings moderately broad. Fore wings elongate, slightly rounded at the tips; costa straight; exterior border rather oblique; interior angle not prominent. Hind wings extending a little beyond the abdomen.

ZERMIZINGA INDOCILISARIA.

Mas. *Fuscescente-cinerea, nigricante conspersa; alæ lineis interiorē et exteriorē nigricantibus obliquis undulatis indistinctis, puncto discali punctisque marginalibus nigris.*

Male. Brownish cinereous, blackish-speckled. Wings with the interior and exterior lines blackish, oblique, undulating, indistinct; discal point and marginal points black, brown beneath, where there are no lines. Length of the body 4 lines; of the wings 12 lines.

a. New Zealand. Presented by the Rev. W. Colenso.

Genus BUZURA.

Mas et fœm. Corpus crassum. Proboscis conspicua. Palpi porrecti, robusti, brevissimi. Antennæ læves. Abdomen alas posticas non superans. Pedes læves, robusti, breviusculi; tibiæ posticæ calcaribus quatuor parvis. Alæ latæ, elongatæ, margine exteriore dentato; anticæ vix acutæ, costa vix convexa. *Mas*.—Abdomen fasciculo denso apicali. *Fœm*.—Abdomen longi-conicum. Oviductus exsertus, longiusculus.

Male and female.—Body very stout. Proboscis distinct. Palpi porrect, stout, very short, not extending beyond the head; third joint extremely short. Antennæ smooth. Abdomen not extending beyond the hind wings. Legs stout, smooth, rather short; hind tibiæ with four short spurs. Wings elongate, ample; exterior border dentate. Fore wings hardly acute; costa very slightly convex; exterior border very oblique. *Male*.—Abdomen with a thick apical tuft. *Female*.—Abdomen elongate-conical. Oviduct exserted, rather long.

BUZURA MULTIPUNCTARIA.

Mas et fœm. *Albida, nigricante conspersa; caput ochraceum, nigro fasciatum; thorax et abdomen ochraceo fasciata; alæ fasciis quatuor ochraceis obliquis angulosis subinterruptis, lunulis marginalibus ochraceis, macula discali subtus magna nigra.*

Male and female. Whitish, thickly blackish-speckled. Head ochraceous, with a black band in front. Thorax and abdomen with ochraceous bands. Abdomen of the male with an ochraceous apical tuft. Wings with four irregular oblique zigzag slightly interrupted ochraceous bands; marginal lunules ochraceous; under side with a large black discal spot. Length of the body 9 lines; of the wings 28—32 lines.

Silhet.

a. ———? From Mr. Stevens' collection.

b, c. ———? Presented by E. Doubleday, Esq.

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HEMEROPHILA FRACTARIA.

Sordide alba ; alæ nigro conspersæ ; anticæ strigis duabus sinuatis in medio approximatis punctoque disci nigris, area basali, areæ mediæ parte antica strigaeque lata postica fusco-cinereis ; posticæ puncto obsoleto medio strigaeque postica fusco umbrata nigris.

Hemerophila fractaria, Staud. Stett. Ent. Zeit. xx. 1859, 218.

Andalusia.

HEMEROPHILA EXCURSARIA.

Mas. Fuscescente-cinerea ; palpi articulo 3o minimo ; thorax nigro fasciatus ; alæ nigro subconsersæ, lineis tribus nigricantibus perobliquis vix undulatis valde interruptis, puncto discali punctisque marginalibus atris ; anticæ apice subrotundatæ ; posticæ margine exteriori subinciso.

Male. Brownish cinereous, pale cinereous beneath. Palpi porrect, broad, pilose ; third joint extremely minute. Antennæ moderately pectinated. Thorax with a black band in front. Wings thinly and minutely black-speckled, with three blackish very oblique hardly undulating much interrupted lines ; discal point and marginal points deep black, the former rather larger beneath, where there is a blackish submarginal patch in each wing. Fore wings slightly rounded at the tips ; exterior border slightly convex, very oblique. Hind wings with the exterior border slightly festooned. Length of the body 6 lines ; of the wings 16 lines.

a. Australia. From Mr. Damel's collection.

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MELANODES ATRIPLENA.

Melanodes atriplena and *Camptogramma anthracinata* are identical, and therefore the former name must be erased.

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CLEORA GLABRARIA.

d. Europe. From Dr. Herrich-Schæffer's collection.

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BOARMIA ICHNUSARIA.

Boarmia ichnusaria, *Ghiliani, Lepidotteri Sardi*, 87.
Sardinia.

BOARMIA? ATLANTICARIA.

Mas et fœm. *Cinerea; alæ puncto medio obscuriore; anticæ area media obliqua saturatiore nigro alboque marginata; posticæ strigis tribus nigris, 2a albo marginata.*

Boarmia Atlantica, *Staud. Stett. Ent. Zeit.* xx. 218. *Herr.-Sch. Neue Schm.* 132.

Andalusia.

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BOARMIA PERSPECTATA.

Mas. *Albido-cinerea, fusco nigroque conspersa; caput et thorax fusco fasciata; alæ lineis tribus fuscis deviis interruptis nigro punctatis et notatis, plagis submarginalibus fuscis diffusis, linea submarginali albido-cinerea angulosa, punctis marginalibus nigris; anticæ apice subrotundatæ, litura basali tumida semihyalina.*

Male. Whitish cinereous, with brown and black speckles. Head with a brown band in front. Palpi very short. Antennæ moderately pectinated, except towards the tips. Thorax with a brown band in front. Abdomen extending very little beyond the hind wings. Hind tibiæ slightly incrassated, with four long spurs. Wings with black marginal points; interior, middle and exterior lines brown, very irregular and oblique, much interrupted, accompanied by black points and marks; submarginal line whitish cinereous, zigzag, distinguishable by a few diffuse brown patches, which it intersects. Fore wings slightly rounded at the tips, with a semihyaline vesicle near the base; exterior border slightly convex, moderately oblique. Length of the body 6 lines; of the wings 18 lines.

Brazil. In Mr. Saunders' collection.

BOARMIA SUBAPICATA.

Mas. *Albida, cervino subvaria; antennæ subpectinatæ; alæ lineis duabus angulosis indistinctis nigro notatis, linea submarginali albida angulosa, puncto discali punctisque marginalibus nigris, annulo discali fusco angusto diffuso; anticæ apice subrotundatæ, macula discali plagaque subapicali nigris.*

Male. Whitish, partly tinged with fawn-colour. Antennæ slightly pectinated for nearly two-thirds of the length. Wings with a narrow brown diffuse discal ringlet; interior and exterior lines zigzag, indistinct, with the exception of black marks on the veins; submarginal line whitish, zigzag; discal point and marginal points black. Fore wings slightly rounded at the tips; exterior border very oblique; under side with a black discal spot and a black subapical patch. Length of the body 6 lines; of the wings 18 lines.

Brazil. In Mr. Saunders' collection.

BOARMIA TENERATA.

Mas. *Albida; antennæ sat pectinatæ; alæ fusco conspersæ, lineis tribus fuscis deviis ex parte dentatis et duplicatis, 1a 2aque nigro punctatis, linea fere marginali albida denticulata, punctis marginalibus nigris, puncto discali fusco; anticæ apice rotundatæ.*

Male. Whitish, brownish cinereous beneath. Antennæ moderately pectinated, except at the tips. Wings minutely brown-speckled; interior, exterior and submarginal lines brown, irregular, partly dentate and double, the two former with black points; a whitish denticulated line between the submarginal line and the speckled marginal space; marginal points black; discal point brown. Fore wings somewhat rounded at the tips; costa and exterior border hardly convex, the latter rather oblique. Length of the body 5 lines; of the wings 16 lines.

Brazil. In Mr. Saunders' collection.

BOARMIA? HYPANUS.

Fœm. *Obscure cinerea; alæ lituris nigricantibus, linea interiore tenui angulata, macula discali rotunda, linea exteriori undulata duplicata, fasciis duabus e maculis submarginalibus et marginalibus.*

Phalæna Hypanus, *Cram. Pap. Exot.* ii. 72, pl. 142, f. D.
Surinam.

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BOARMIA INTECTARIA.

Mas. *Cervina, subtus cinerea; tibiæ posticæ vix incrassatæ; alæ fusco conspersæ, lineis duabus fuscis angulosis, puncto discali fusco; anticæ acutæ.*

Male. Fawn-colour, cinereous beneath. Abdomen rather long, not extending beyond the hind wings. Hind tibiæ hardly incrassated. Wings ample, with brown speckles, which are here and there confluent or very scarce; interior and exterior lines brown, oblique, zigzag; discal point brown, enlarged into a spot on the under side, where the other markings are nearly obsolete. Fore wings acute; costa straight; exterior border hardly convex, very oblique. Length of the body 8 lines; of the wings 22 lines.

a. Ceylon. Presented by Dr. Templeton.

BOARMIA SUBLECTARIA.

Mas. *Cinereo-fusca; alæ nigricante conspersæ, lineis duabus nigricantibus obliquis undulatis dentatis, annulo discali fusco diffuso, punctis marginalibus nigricantibus; anticæ apice subrotundatæ.*

Male. Cinereous-brown, brownish cinereous beneath. Abdomen hardly extending beyond the hind wings. Wings elongate, blackish-speckled, with a diffuse brown discal ringlet, which forms a spot on the under side; interior and exterior lines blackish, oblique, undulating, dentate; marginal points blackish. Fore wings slightly rounded at the tips; exterior border slightly convex, extremely oblique. Length of the body 7 lines; of the wings 20 lines.

a. Ceylon. Presented by Dr. Templeton.

BOARMIA EOSARIA.

Mas. *Cinereo-fusca; caput antice fuscum; antennæ latissime pectinatæ; tibiæ posticæ subincrassatæ, albo penicillatæ; alæ nigricante conspersæ, lineis tribus nigricantibus obliquis undulatis flexis; anticæ subacutæ.*

Male. Cinereous-brown, more cinereous beneath. Head dark brown in front. Antennæ very broadly pectinated; branches pubes-

cent. Hind tibiæ slightly incrassated, with a white penicillate plume in the furrow beneath. Wings minutely blackish-speckled; interior, middle and exterior lines blackish, oblique, undulating, bent. Fore wings slightly acute; costa straight; exterior border convex, very oblique. Length of the body 7 lines; of the wings 22 lines.

a. North China. From Mr. Fortune's collection.

BOARMIA IMPLETARIA.

Mas. *Subtestacea, subtus albida; antennæ late pectinatæ; thorax fascia latissima fuscescente; alæ fasciis duabus latis fuscescentibus ex parte connexis, 2a marginem exteriorem fere attingente lineam pallidam submarginalem angulosam includente, guttis marginalibus fuscis, lunula discali albida fusco marginata, macula subtus discali magna fusca, fascia submarginali subtus fuscescente.*

Male. Dull testaceous, moderately stout. Antennæ broadly pectinated, except at the tips. Thorax with a very broad brownish band. Wings with two broad brownish bands, which are partly connected; the exterior one extends nearly to the exterior border, and includes a pale zigzag submarginal line; marginal dots brown; discal lunule whitish, brown-bordered, most distinct in the hind wings; under side whitish, with a large concise brown discal spot and a less distinct brown submarginal band. Fore wings brownish towards the base; exterior border slightly convex, rather oblique. Length of the body 7 lines; of the wings 18 lines.

a. Canara. Presented by the Secretary of the India Board.

BOARMIA FERROLAVATA.

Ferrugineo-cinerea; thorax fusco fasciatus; abdomen attenuatum, oviductu exserto; alæ amplæ, linea exteriori dentata subundulata, linea media ferruginea undulata indistincta, linea submarginali cinerea dentata, lunulis marginalibus nigris, macula subtus discali magna nigra; anticæ maculis subtus duabus nigricantibus, 1a costali, 2a subapicali.

Female. Ferruginous-cinereous, cinereous beneath. Thorax with a brown band. Abdomen attenuated towards the tip; oviduct long, exserted. Wings ample, with an exterior dentate slightly undulating line, and with some traces of a middle undulating ferruginous line; submarginal line cinereous, dentate, near the exterior

border; marginal lunules black; under side with an incomplete middle line, and with a large black discal spot; exterior border very slightly indented. Fore wings with the exterior border very oblique; under side with two blackish spots, the one costal and exterior, the other subcostal and subapical. Length of the body 8 lines; of the wings 24 lines.

a. Hindostan. Presented by the Secretary of the India Board.

BOARMIA CONTECTARIA.

Mas. *Fuscescente-cinerea, viæ robusta; thorax fuscescente fasciatus; alæ fusco conspersæ, linea exterior nigricante dentata latiuscula, linea interior minus determinata, annulo discali elongato, linea submarginali cinerea denticulata, maculis duabus subtus, una discali, altera costali; anticæ linea nigricante basali, plaga subtus subapicali fusca.*

Male. Brownish cinereous, hardly stout. Antennæ rather broadly pectinated. Thorax with a brownish band. Wings brown-speckled; exterior line blackish, dentate, rather broad; interior line dentate, less distinct; submarginal line rather indistinct; marginal dots deep black; discal ringlet black, elongated; under side with a deep black discal spot, and with a row of black points along the inner side of an irregular black submarginal band, which in the fore wings extends partly to the exterior border. Fore wings with a double blackish line near the base; exterior border slightly convex, rather oblique. Length of the body 8 lines; of the wings 20 lines.

a. Canara. Presented by the Secretary of the India Board.

BOARMIA GELIDARIA.

Fœm. *Albida, robusta; alæ nigro subconsersæ, lineis tribus fuscis angulosis ex parte nigris, guttis marginalibus atris, lunula discali nigra elongata, macula subtus discali atra, punctis exterioribus fasciaque submarginali nigris; anticæ linea basali duplicata nigricante.*

Female. Whitish, stout, almost white beneath. Wings moderately broad, thinly and minutely black-speckled; interior, exterior and submarginal lines brown, zigzag, partly black; discal ringlet elongated, most distinct in the hind wings, where it is very near the exterior line; submarginal line cinereous, denticulated, slightly brown-bordered; marginal festoon black; under side whitish, with a brown costal spot and a blackish discal spot. Fore wings

with a blackish line near the base ; under side with a brown sub-apical patch. Hind wings beneath with some traces of a brownish submarginal line. Length of the body 6 lines ; of the wings 16 lines.

a. Hindostan. Presented by the Secretary of the India Board.

BOARMIA PLENIFERATA.

Mas. *Cinereo-fusca ; alæ latiusculæ, lineæ submarginali cinerea angulosa, lunulis marginalibus nigris, gutta discali subtus nigra ; anticæ fascia interiore obliqua nigricante-fusca, lineæ exteriori fusca dentata ex parte duplicata, macula exteriori discali magna nigro-fusca.*

Male. Cinereous-brown. Antennæ broadly pectinated, except towards the tips. Wings rather broad ; submarginal line cinereous, zigzag ; marginal festoon black ; under side cinereous, partly brown exteriorly and with a brown discal dot. Fore wings with a blackish brown oblique interior band, of which the disk is occasionally void ; exterior line brown, irregular, dentate, incompletely double, contiguous to a large dark brown discal spot ; exterior border rather oblique. Hind wings paler ; lines less complete. Length of the body 7 lines ; of the wings 18 lines.

a—c. Bootan. Presented by the Secretary of the India Board.

BOARMIA COMPACTARIA.

Mas. *Cinerea, crassa, nigricante conspersa ; antennæ latissime pectinatæ ; alæ sat angustæ, lineis interiore et exteriori angulosis lunulaque discali diffusa guttisque marginalibus nigris, macula subtus discali magna nigra ; anticæ basi nigricantes, margine exteriori perobliquo.*

Male. Cinereous, blackish-speckled. Body very robust. Antennæ very broadly pectinated, bare towards the tips. Wings rather narrow, with a diffuse black discal lunule and with black zigzag interior and exterior lines ; marginal dots black ; under side with a large black discal spot. Fore wings blackish towards the base ; exterior border extremely oblique. Length of the body 8 lines ; of the wings 20 lines.

a. Penang. Presented by the Secretary of the India Board.

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BOARMIA PERFLIGARIA.

Fœm. *Cinerea; thorax fusco fasciatus; alæ latiusculæ, nigro conspersæ, lunulis marginalibus nigris; anticæ vix acutæ, fasciis tribus cervinis diffusis, lineâ submarginali lineisque tribus interioribus nigris subdenticulatis, illa extus pallido marginata.*

Female. Cinereous. Palpi very short. Thorax with a brown band. Wings rather broad, not much elongated, slightly black-speckled; marginal lunules black. Fore wings hardly acute, with three incomplete diffuse fawn-coloured bands; three black slightly denticulated lines between the first and second bands; second line incomplete; third diverging much in front from the others; submarginal line blackish, slightly denticulated, pale-bordered on the outer side; exterior border slightly convex, moderately oblique. Hind wings with the exterior and submarginal lines much like those of the fore wings. Length of the body 6 lines; of the wings 18 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

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BOARMIA ILLUSTRARIA.

Mas. *Cinerea, robusta, ferrugineo suffusa; thorax nigricante fasciatus; alæ macula discali nigra albido notata, lineâ exteriore nigra denticulata albo submarginata, lineâ submarginali albida denticulata, macula discali subtus magna nigricante, fascia subtus latissima nigricante; anticæ lineâ basali duplicata dentata strigæ discali exteriore nigris.*

Male. Cinereous, stout, tinged with ferruginous, whitish beneath. Thorax with a blackish band in front; tegulæ with a blackish band near the tips. Wings mostly ferruginous, with a black whitish-pupilled discal spot; exterior line black, denticulated, slightly undulating, partly illuminated with white; submarginal line whitish, denticulated, irregularly bordered with brown or with black; marginal lunules deep black; under side with a large blackish discal spot, and a very broad blackish exterior band, which mostly extends to the border. Fore wings with a double black denticulated brown shaded line near the base, and with a black streak extending

from the discal spot across the exterior line. Length of the body 9 lines; of the wings 24 lines.

a. Moreton Bay. From Mr. Diggles' collection.

BOARMIA IMMEMORATA.

Mas. *Cinerea, fusco varia; abdomen nigro fasciatum, basi pallidum; alæ nigro conspersæ, linea media obliqua vix undulata punctisque marginalibus atris; anticæ linea media costam versus duplicata et valde flexa strigamque emittente, linea interiore angulosa apud costam bene determinata; posticæ linea exteriori strigam emittente.*

Male. Cinereous, partly tinged with brown. Antennæ broadly pectinated along two-thirds of the length. Abdomen paler towards the base; hind borders of the segments black. Wings irregularly black-speckled, with a deep black oblique middle hardly undulating line; marginal points large, deep black. Fore wings somewhat rounded at the tips; middle line double, and forming a deep rounded angle towards the costa, the angle emitting a partly double streak to the exterior border; interior line zigzag, indistinct, except on the costa. Hind wings with the exterior line deep black and very distinct, except towards the costa, emitting a streak to the exterior border. Length of the body 6 lines; of the wings 16 lines.

a. New Caledonia. From Mr. Macgillivray's collection.

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TEPHROSIA? ORIANA.

Pallide cervina; alæ latæ, fasciis duabus e lineis obscurioribus, lineis exteriori et submarginali e punctis nigris.

Phalæna - Geometra Oriana, *Cram. Pap. Exot.* iv. 159, pl. 371, f. C.

Surinam.

TEPHROSIA MARMORARIA.

Fœm. *Albida; caput nigricante fasciatum; palpi porrecti, graciles, breves; abdominis segmenta olivaceo fasciata; alæ fasciis duabus indeterminatis spatique latissimo marginali olivaceis, plagis nonnullis ochraceis, linea exteriori subundulata e punctis nigris, linea submarginali albida angulosa; anticæ linea interiore e punctis nigris.*

Female. Whitish. Head with a blackish band. Palpi porrect, slender, extending very little beyond the head; third joint conical, minute. Abdomen with an irregular olive-green band on each segment. Wings broad, with two irregular incomplete bands, and a very broad marginal space olive-green; a few small ochraceous patches; an exterior slightly undulating line of black points; submarginal line whitish, zigzag; marginal lunules olive-green; under side with a broad marginal brownish cinereous band. Fore wings hardly acute, with an interior line of black points; exterior border convex. Length of the body 6 lines; of the wings 14 lines.

a. Rio Janeiro. Presented by the Rev. Hamlet Clark.

TEPHROSIA DELOSARIA.

Fœm. *Nigricante-cinerea; alæ nigricante conspersæ, lineis interiore et exteriore nigris denticulatis subundulatis, linea submarginali nigra valde interrupta, punctis marginalibus nigris, gutta discali nigricante; anticæ apice rotundatæ.*

Female. Blackish cinereous, paler beneath. Wings blackish-speckled; interior and exterior lines black, denticulated, slightly undulating, the former obsolete in the hind wings; submarginal line black, very incomplete; marginal points black; discal dot blackish, largest on the under side, where the lines are nearly obsolete. Fore wings somewhat rounded at the tips; costa straight; exterior border convex, rather oblique. Length of the body 6 lines; of the wings 17 lines.

a. South Africa. From Mr. Trimen's collection.

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TEPHROSIA SUBRUGATA.

Fœm. *Albida, robusta; caput nigricante fasciatum; palpi porrecti, breves, lati, obtusi; alæ elongatæ, fusco conspersæ, lineis quatuor dentatis diffusis fuscis, 4a submarginali incompleta, striga discali punctisque marginalibus nigricantibus; anticæ apice rotundatæ.*

Female. Whitish, stout. Head with a narrow blackish band in front. Palpi porrect, short, broad, obtuse, extending a little beyond the head; third joint extremely short. Wings elongate, brown-speckled, with four dentate irregular diffuse brown lines; fourth line submarginal, incomplete; discal streak and marginal

points blackish, the latter elongated ; under side brownish cinereous, without markings. Fore wings rounded at the tips ; costa straight ; exterior border slightly convex, very oblique. Length of the body 4 lines ; of the wings 12 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

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TEPHROSIA INFIMARIA.

Fœm. *Albido-cinerea ; caput et thorax subfuscescentia ; palpi breves, lati, obtusi, breviusculi ; alæ fusco subconspersæ, lineis duabus nigricantibus obliquis denticulatis fere interruptis, nebulis marginalibus fuscis lineam submarginalem albidam angulosam nigricante submarginatam includentibus, punctis marginalibus nigris sat magnis.*

Female. Whitish cinereous, a little more dingy beneath. Head and thorax slightly tinged with brown. Palpi porrect, obtuse, rather broad, extending very little beyond the head ; third joint extremely short. Legs smooth, slender ; hind tibiæ with four rather long spurs. Wings slightly and minutely speckled with brown ; interior and exterior lines blackish, slight, oblique, denticulated, nearly interrupted ; marginal space slightly clouded with brown, including the whitish zigzag submarginal line, which is partly bordered with blackish on its inner side ; marginal points black, rather large ; under side with pale brown markings, which consist of a discal streak, an exterior line and a marginal band. Length of the body 5 lines ; of the wings 14 lines.

a. Moreton Bay. From Mr. Diggles' collection.

TEPHROSIA VAGARIA.

Mas. *Cinerea ; abdominis fasciculus apicalis longus ; alæ fusco conspersæ, lineis tribus indeterminatis e guttis obscure fuscis, linea submarginali angulosa pallide cinerea vix conspicua ; antica vix acutæ ; posticæ margine exteriore inciso.*

Male. Cinereous, paler beneath. Palpi very short. Antennæ broadly pectinated. Abdomen with a long apical tuft. Wings minutely brown-speckled, with several small dark brown spots, which indicate three very irregular lines ; submarginal line pale cinereous, zigzag, very indistinct. Fore wings hardly acute ; exterior border

hardly notched, very oblique. Hind wings with the exterior border distinctly notched. Length of the body 5 lines; of the wings 12 lines.

a. Australia. From Mr. Damel's collection.

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HYPOCHROMA MINIMARIA.

a. Ceylon. Presented by Dr. Templeton.

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HYPOCHROMA MUSCICOLORARIA.

Fœm. *Pallide olivaceo-viridis, subtus albida; palpi ascendentes, articulo 2o latissimo, 3o minimo; tibiæ posticæ calcaribus duobus apicalibus; alæ patulæ, spissæ, lineis duabus obliquis dentatis flexis indistinctis, litura discali lunulisque marginalibus saturatoribus, macula discali fascia lata submarginali lunulisque marginalibus nigris; anticæ vix dentatæ; posticæ subdentatæ.*

Female. Pale olive-green, whitish beneath. Thorax in front and head deeper green, the latter sometimes luteous in front. Palpi ascending, hardly rising higher than the vertex; second joint very broad; third extremely minute. Hind tibiæ with two apical spurs. Wings thick, very ample; interior and exterior lines deeper green, oblique, dentate, bent, indistinct except on the costa of the fore wings; marginal lunules deeper green; fringe whitish exteriorly; discal mark deeper green, most distinct on the hind wings; under side with a black discal spot, with a broad black submarginal band and with black marginal lunules. Fore wings hardly dentate. Hind wings slightly dentate. Length of the body 8 lines; of the wings 20 lines.

a, b. Darjeeling. Presented by the Secretary of the India Board.

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HYPOCHROMA NYCTEMERATA.

Var. Fœm. *Albida; corpus testaceo subinctum; alæ lineæ exteriore nigra undulata, fascia submarginali lata nigricante; anticæ lineis duabus interioribus dentatis indistinctis pallide fuscis.*

Var. Female. Whitish. Body with a slight testaceous tinge. Wings with a black undulating exterior line, which is contiguous to a broad irregular blackish band; the latter partly extends to the exterior border; under side white, with a yellowish tinge towards the base, and with a black band, which is more concise than that on the upper side. Fore wings with two other dentate indistinct pale brown more interior lines.

b. Canara. Presented by the Secretary of the India Board.

HYPOCHROMA? HORRIDATA.

Fœm. Cinerea; caput nigro fasciatum; palpi articulo 3o longo lanceolato; alæ nigro conspersæ, fascia alba informi latissima lituram nigram discalem rufescente marginatam includente, linea submarginali albida angulosa, lunulis marginalibus nigris; posticæ margine exteriori inciso.

Female. Cinereous, whitish beneath. Head with a black band in front. Palpi porrect, speckled with black, extending beyond the head; third joint lanceolate, more than half the length of the second. Thorax and abdomen speckled with black. Wings thickly speckled with black, excepting a very broad irregular white band, which contains a black discal mark, the latter diffusely bordered with reddish; submarginal line whitish, zigzag, rather indistinct; marginal lunules black; exterior border most notched in the hind wings; plumes here and there erect; under side whitish, except towards the exterior border; discal spot large, deep black. Length of the body 6 lines; of the wings 16 lines.

Sydney. In Mr. Saunders' collection.

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ELPHOS PARDICELATA.

Mas. Cinereo-fusca; alæ albide, fusco conspersæ et subfasciatae, fasciis ochraceis sat determinatis, macula discali maculisque submarginalibus subtus fuscis, margine exteriori dentato.

Male. Cinereous-brown. Wings whitish, thickly speckled with brown, of which hue there are three incomplete dentate bands; ochraceous bands more numerous and complete; exterior border most denticulated in the hind wings; under side with a large brown discal spot and a few large submarginal spots. Fore wings slightly speckled beneath. Hind wings not speckled beneath. Length of the body 10 lines; of the wings 32 lines.

This species closely resembles *E. hymenaria*, but may be distinguished by the under side, which is white, with the exception of a large blackish discal spot and a much interrupted blackish marginal band.

a. Hindostan. Presented by Sir J. Hearsay.

ELPHOS? PARISNATTEI.

Mas. *Obscure ferrugineo-fusca; antennæ subpectinatæ; abdomen attenuatum, fasciculo apicali testaceo radiato densissimo; alæ nigro conspersæ, lineis duabus nigris denticulatis, linea submarginali albida indeterminata, plaga subtus apicali albida.*

Alcis Parisnattei, Atkinson, MS.

Male. Dark ferruginous-brown. Third joint of the palpi extremely short. Antennæ slightly pectinated, except towards the tips. Abdomen extending beyond the hind wings, tufted along each side, attenuated from the base to the tip, which has a very thick testaceous radiating tuft of hairs. Wings black-speckled; interior and exterior lines black, denticulated, undulating; submarginal line whitish, zigzag, incomplete, mostly indistinct; under side with a whitish apical patch. Fore wings beneath with a whitish patch on the middle of the exterior border. Length of the body 14 lines; of the wings 32 lines.

This species differs much from the type of *Elphos* in the structure of the antennæ and in the tuft of the abdomen, and perhaps it should form a new genus.

a. Hindostan. Presented by the Secretary of the India Board.

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BRONCHELIA NYCTALEMONARIA.

Var. Fœm. *Pallide cinerea, subtus ochracea; corpus cervinum; thorax nigricante bifasciatus; alæ fusco conspersæ, lineis tribus fuscis dentatis cervino plus minusve marginatis, linea submarginali angulosa pallide cinerea, lunulis marginalibus nigris.*

Var. Female. Pale cinereous, ochraceous beneath. Body fawn-colour. Thorax with two blackish bands. Wings largely and transversely brown-speckled; interior, middle and exterior lines brown, dentate, irregular, more or less bordered with fawn-colour, the two latter bent in front; submarginal line pale cinereous, zigzag;

marginal lunules black; under side with a black submarginal band. Length of the body 8 lines; of the wings 36 lines.

c, d. Jamaica. Presented by Sir J. Hearsay.

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GNOPHOS RESPERSARIA.

a. Europe. From Dr. Herrich-Schæffer's collection.

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GNOPHOS GLAUCINATA.

a, b. Europe. From Dr. Herrich-Schæffer's collection.

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GNOPHOS MENDICARIA.

a. Europe. From Dr. Herrich-Schæffer's collection.

GNOPHOS SUPINARIA.

Gnophos supinaria, Mann, *Wien. Ent. Monat.* i. 157.
Fiume.

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GNOPHOS? NUBILARIA.

Mas. *Lurido-cana*; *pedes fulvi*; *alæ fulvo-venosæ*, *puncto discali fasciisque duabus obliquis postmediis cinereis*; *anticæ fascia antemediæ cinerea*.

Nephodia nubilaria (*Geometra tenuis*, *Sciadia distincta*), Hubn.
Zutr. 32, 198, f. 395, 396.

Rio Janeiro.

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GNOPHOS FUSCOVARIA.

Mas. *Pallide flavescens*; *alæ atomis creberrimis fuscis condensatis lineas strigasque informes fingentibus*, *marginē exteriorē denticulato*; *anticæ puncto discali fusco*; *posticæ serie obsoleta postica punctorum alborum*.

Gnophos fuscovaria, Wallengren, *Wien. Ent. Monat.* iv. 176.

Brazil.

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GNOPHOS NOTATA.

Mas. *Obscure cinerea; caput nigricante fasciatum; antennæ laves; tibiæ posticæ subincrassatæ; alæ latæ, nigricante conspersæ, annulo discali nigro informi, margine exteriore dentato; posticæ subacutæ.*

Male. Dark cinereous, paler beneath. Head with a broad blackish band. Antennæ stout, smooth. Legs smooth; hind tibiæ slightly incrassated, with four long spurs. Wings broad, thickly, minutely and diffusedly blackish-speckled; discal mark forming a very irregular black ringlet; marginal festoon black; fringe long, full. Fore wings slightly acute; costa straight; exterior border slightly dentate, very slightly oblique. Hind wings with the exterior border more dentate than that of the fore wings. Length of the body 6 lines; of the wings 16 lines.

a. ———?

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DASYDIA OPERARIA.

a, b. Europe. From Dr. Herrich-Schæffer's collection.

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PSODOS HORRIDARIA.

a—c. Europe. From Dr. Herrich-Schæffer's collection.

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PYGMÆNA VENETARIA.

a, b. Europe. From Dr. Herrich-Schæffer's collection.

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MNIOPHILA CINERARIA.

b. Europe. From Dr. Herrich-Schæffer's collection.

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Genus ARGIDAVA.

Mas. Corpus sat gracile. Proboscis robusta. Palpi breves, porrecti, pilosi, articulus 3us minimus. Antennæ pectinatæ. Abdomen subcompressum, alas posticas non superans; fasciculus apicalis parvus, elongatus. Pedes læves, graciles. Alæ latiusculæ, margine exteriori vix inciso; anticæ acutæ.

Male. Body rather slender. Proboscis stout. Palpi porrect, pilose, hardly extending beyond the head; third joint extremely short. Antennæ moderately pectinated. Abdomen slightly compressed, not extending beyond the hind wings; apical tuft small, elongate. Legs smooth, slender. Wings rather broad; exterior border hardly festooned. Fore wings acute; costa straight; exterior border slightly convex and oblique.

ARGIDAVA SUBVIDUATA.

Mas. Pallide schistaceo-cinerea; caput antice nigro-fuscum; alæ nigro subconspersæ; anticæ lineis interiore et submarginali e guttis nigris, gutta basali, macula discali elongata punctisque marginalibus nigris.

Male. Pale slaty cinereous. Head blackish brown in front. Wings very thinly and minutely black-speckled. Fore wings with the interior and submarginal lines composed of black dots; a black dot near the base, and a black elongated discal spot; marginal points black. Hind wings with some trace of the submarginal line of dots. Length of the body 5 lines; of the wings 12 lines.

a. Australia. From Mr. Damel's collection.

Genus BUTOA.

Mas. Corpus sat robustum. Proboscis valida. Palpi læves, porrecti, caput superantes, articulo 3o conico. Antennæ validæ, læves. Abdomen alas posticas non superans; fasciculus apicalis minimus. Pedes læves, sat robusti; tibiæ posticæ calcaribus quatuor breviusculis. Alæ amplæ, parce pilosæ; anticæ subacutæ, margine exteriori perobliquo, angulo interiore valde rotundato.

Male. Body rather stout. Proboscis stout, moderately long. Palpi smooth, porrect, extending beyond the head; third joint conical, less than one-fourth of the length of the second. Antennæ

stout, smooth. Abdomen not extending beyond the hind wings; apical tuft very small. Legs smooth, rather stout; hind tibiæ with four short stout spurs. Wings ample, thinly clothed. Fore wings slightly acute; costa straight; exterior border very slightly convex, very oblique hindward; interior angle much rounded.

BUTOA ORCIPENNATA.

Mas. *Fuscescente-cinerea; alæ fusco conspersæ, striga discali fusca diffusa subtus nigricante; anticæ punctis costalibus nigricantibus, fimbria fusco notata, plaga costali subapicali nigricante; posticæ fascia submarginali nigricante.*

Male. Brownish cinereous. Proboscis pale yellow. Palpi blackish. Wings transversely speckled with brown; discal streak brown, diffuse, blackish beneath. Fore wings with blackish points along the costa; fringe with brown marks; under side with a blackish patch near the tip of the costa; this patch is the commencement of a band, which is complete on the under side of the hind wings. Hind wings much more darkly and distinctly speckled beneath than above. Length of the body 8 lines; of the wings 24 lines.

a, b. Venezuela. From Mr. Dyson's collection.

Genus BYLAZORA.

Mas. Corpus sat gracile. Fasciculus frontalis porrectus. Proboscis conspicua. Palpi porrecti, pilosi, obtusi, capitis latitudine breviores, articulo 3o minimo. Antennæ pectinatæ, apice simplices. Abdomen alas posticas non superans. Pedes læves; tibiæ posticæ subincrassatæ, calcaribus quatuor longis. Alæ latæ; anticæ apice rotundatæ, margine exteriore vix dentato; posticæ margine exteriore subdentato.

Male. Body rather slender. Frontal tuft prominent. Proboscis distinct. Palpi porrect, pilose, obtuse, shorter than the breadth of the head; third joint conical, extremely minute. Antennæ moderately pectinated, except towards the tips. Abdomen not extending beyond the hind wings. Legs smooth; hind tibiæ slightly incrassated, with four long spurs. Wings broad. Fore wings somewhat rounded at the tips; costa straight; exterior border convex, slightly oblique, hardly dentate. Hind wings with the exterior border slightly dentate.

BYLAZORA LICHENIFERATA.

Mas. *Musco-viridis, subtus cinerea; alæ litura discali nigricante, fascia subtus marginali lata fusca; anticæ lineis nonnullis obscurioribus angulosis ex parte diffusis, plagis nonnullis fuscis, punctis marginalibus nigris; posticæ cinereæ, conspersæ, lineis nonnullis obscurioribus diffusis indistinctis.*

Male. Mossy green, cinereous beneath. Abdomen cinereous, with a tinge of fawn-colour. Wings with a blackish discal mark; under side with a broad brown marginal band. Fore wings with seven or eight zigzag partly diffuse or indistinct darker green lines, which are black on the veins; a few small brown patches; marginal points black. Hind wings cinereous, with darker speckles and with some darker diffuse and indistinct lines; marginal festoon black. *Var. β.*—Abdomen with black bands. Fore wings with the patches mostly black; lines very indistinct. Length of the body 8 lines; of the wings 18 lines.

a—c. South Hindostan. Presented by M. J. Walhouse, Esq.

Genus ZIRIDAVA.

Fam. Corpus robustum. Fasciculus frontalis porrectus. Proboscis medioeris. Palpi porrecti, capitis latitudine non breviores, articulo 2o cornu fimbriatum emittente, 3a subfusiformi. Antennæ sat validæ. Pedes laeves, sat graciles. Alæ elongatæ; anticæ apice rotundatæ; posticæ rotundatæ, abdomen paullo superantes.

Female. Body stout. Frontal tuft prominent. Proboscis moderately long. Palpi porrect, as long as the breadth of the head; second joint with a fringed protuberance beneath; third subfusiform, shorter than the second. Antennæ rather stout. Legs smooth, rather slender. Wings elongate. Fore wings rounded at the tips; costa straight; exterior border convex, extremely oblique. Hind wings rounded, extending a little beyond the abdomen.

ZIRIDAVA XYLINARIA.

Fem. *Albido-cinerea, testaceo subtineta; caput rufo tripunctatum; palpi nigricantes; thorax et abdomen e atomis rufis fasciata; alæ lineis nonnullis rufis subulosis, fascia perobliqua purpurascente-cinerea, linea submarginali pallida angulosa, fimbria nigro notata.*

Female. Whitish cinereous, with a slight testaceous tinge. Head with three red points. Palpi blackish. Thorax and abdomen with bands of red speckles. Wings with several slight lines of red speckles; a very oblique purplish cinereous band, which extends from near the base of the hind wings to the exterior disk of the fore wings, where it is dilated; submarginal line pale, zigzag, intersecting the red speckles; fringe with black marks. Fore wings with some black oblique costal marks. Hind wings with two incomplete exterior lines of blackish points. Length of the body 5 lines; of the wings 16 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

Genus SINGIDAVA.

Mas. Corpus sat validum. Proboscis longiuscula. Palpi oblique ascendentes, verticem non superantes; articulus 2us subarcuatus; 3us conicus, parvus. Antennæ pectinatæ, apice simplices. Abdomen alas posticas non superans; fasciculus apicalis parvus, compressus, oblique ascendens. Pedes læves, sat robusti; tibiæ posticæ calcaribus quatuor breviusculis. Alæ amplæ, elongatæ; anticæ apice rotundatæ, margine exteriori perobliquo.

Male. Body moderately stout. Proboscis rather long. Palpi obliquely ascending, not rising higher than the vertex; second joint slightly curved; third conical, not more than one-fourth of the length of the second. Antennæ moderately pectinated, except at the tips. Abdomen not extending beyond the hind wings; apical tuft small, compressed, obliquely ascending. Legs smooth, rather stout; hind tibiæ with four rather short spurs. Wings elongate, ample. Fore wings somewhat rounded at the tips; costa straight; exterior border slightly convex, very oblique.

SINGIDAVA PALLICOSTATA.

Mas. *Obscure fusca; alæ linea exteriori arcuata nigricante, macula subtus discali nigra; anticæ lituris duabus costalibus elongatis pallide cinereis; posticæ fascia subtus lata submarginali obscure fusca.*

Male. Dark brown. Proboscis pale yellow. Wings with a blackish curved exterior line; fringe sometimes cinereous, with brown marks; under side paler, partly brown-mottled, and with a black discal spot and with a more conspicuous exterior line. Fore

wings with two costal elongated more or less conspicuous pale cinereous marks. Hind wings beneath with a dark brown broad irregular submarginal band. Length of the body 9 lines; of the wings 24 lines.

a, b. Cuenca. From Mr. Fraser's collection.

c. Bogota. From Mr. Stevens' collection.

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EREBOMORPHA FULGURARIA.

a, b. Hindostan. Presented by Sir John Hearsay.

EREBOMORPHA SEMICLUSARIA.

Mas. Testacea; caput cinerascens; palpi fusci; abdomen fuscens, apice testaceum; alæ fascia marginali albida antice cervina, annulo discali nigro; anticæ nigro subconspersæ, linea media cervina flexa indistincta, linea exterior nigra antice pallida nigro punctata, plaga postica ferruginea trigona, margine exteriori antico subinciso; posticæ magis conspersæ, margine exteriori incisuris duabus anticis.

Male. Testaceous. Head and antennæ slaty cinereous. Palpi brown. Abdomen brownish, except at the tip. Wings here and there paler, with a broad marginal band, which is whitish hindward and fawn-coloured in front; discal ringlet black. Fore wings acute, thinly black-speckled, with two black costal marks and with an indistinct bent fawn-coloured middle line; exterior line black, oblique, pale and bent in front, where it is marked by black points on the veins; a large ferruginous triangular hindward patch between this line and the marginal band; exterior border slightly notched in front. Hind wings darker and more speckled than the fore wings, with a broad submarginal brown band, which is darkest towards the interior border; exterior border with two slight notches in front. Length of the body 12 lines; of the wings 36 lines.

a. Hindostan. Presented by Sir John Hearsay.

Genus CARIPRÆA.

Mas. Corpus sat robustum. Proboscis mediocris. Palpi latiusculi, oblique ascendentes, verticem non superantes, articulo 3o brevissimo. Antennæ late pectinatæ, apice simplices. Abdomen alas posticas non superans. Pedes læves, sat validi; tibiæ posticæ non incrassatæ, calcaribus quatuor longis. Alæ anticæ vix acutæ, plaga basali tumida semihyalina.;

Male. Body rather stout. Proboscis moderately long. Palpi rather broad, obliquely ascending, not rising higher than the vertex; third joint extremely short. Antennæ broadly pectinated, except towards the tips. Abdomen not extending beyond the hind wings. Legs smooth, rather stout; hind tibiæ not incrassated, with four long spurs. Wings moderately broad. Fore wings hardly acute, with a large semihyaline vesicle near the base; costa straight; exterior border convex, moderately oblique.

CARIPRÆA MENDACIARIA.

Mas. *Albido-cinerea, subtus subtestacea; alæ lineis interiore et exteriori fuscis dentatis interruptis nigro punctatis, macula submarginali subquadrata fusca, spatio marginali fuscescente nebuloso, puncto discali punctisque marginalibus nigris.*

Male. Whitish cinereous, with a testaceous tinge on the under side. Wings with the interior and exterior lines brown, dentate, very irregular and incomplete, accompanied by a few black points; a brown subquadrate spot on the outer side of the exterior line; marginal space clouded with pale brown; discal point and marginal points black; under side without markings, except a brown discal point and a brown marginal band, which is abbreviated hindward in the hind wings. Length of the body 4 lines; of the wings 12 lines.

Brazil. In Mr. Saunders' collection.

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BOLETOBIA FULIGINARIA.

a. Europe. From Dr. Herrich-Schæffer's collection.

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GEOMETRA PIGRARIA.

Læte viridis; alæ puncto discali nigro, linea exteriori recta obliqua alba; anticæ falcatæ, lineis tribus interioribus arcuatis rubris, 1a 2aque fasciam purpuream includentibus, costa flavescente.

Geometra Rhanis, var. ?

Phalæna-Geometra pigraria, *Anon. Ins. Surinam*, 39, pl. 16.

Surinam.

GEOMETRA? ARNEA.

Purpurascens; abdomen testaceum; alæ anticæ cæruleo-virides, prasino marginatæ, macula basi flava, plaga discali purpurea flavo signata; posticæ testaceo-albidæ.

Phalæna Arnea, Cram. Pap. Exot. i. 59, pl. 36, f. G.

Surinam.

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GEOMETRA BEATIFICATA.

Mas. *Lætissime viridis*; caput rufum, vertice albo; thorax antice flavescens; alæ lineis duabus albidis subundulatis, puncto discali rufo, margine exteriori flavescente lituris rufescentibus; anticæ costa flavescente.

Male. Very bright green, pale beneath. Head red; vertex white. Palpi extending a little beyond the head; third joint linear, much shorter than the second. Antennæ pectinated, except towards the tips. Thorax yellowish in front. Anterior legs mostly rosy. Wings with two whitish slightly undulating lines; discal point red; some reddish marks along the exterior border, which is yellowish. Fore wings rounded at the tips; costa yellowish; exterior border convex, moderately oblique. Length of the body $2\frac{1}{2}$ lines; of the wings 6 lines.

a. Sierra Leone. From Mr. Foxcroft's collection.

GEOMETRA LEUCOSPILATA.

Mas. *Læte viridis*; corpus pallide cinereum, subtus album; abdomen albo bimaculatum; alæ puncto discali nigro, fimbria alba basi fusca; anticæ lineis duabus costaque albis.

Male. Bright green. Body pale cinereous, white beneath. Palpi much shorter than the breadth of the head; third joint very short. Antennæ broadly pectinated, except towards the tips. Abdomen with two white shining spots. Hind tibiæ with four short spurs. Wings with a whitish bloom on the under side; discal point black; fringe white, brown at the base. Fore wings slightly acute; interior and exterior lines white, converging hindward; costa white. Length of the body 6 lines; of the wings 14 lines.

a. Port Natal. From Mr. Trimen's collection.

GEOMETRA SPECULARIA.

d. South Hindostan. Presented by M. J. Walhouse, Esq.

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GEOMETRA PARVULATA.

Mas. *Pallide viridis; caput rufum, vertice albo; alæ latiusculæ, puncto discali lunulisque marginalibus rufescentibus; anticæ costa albida; posticæ abdomen superantes.*

Male. Bright pale green, stout, paler beneath. Head red; vertex white. Palpi porrect, extending very little beyond the head. Antennæ broadly pectinated, except towards the tips. Wings rather broad, with a reddish discal point and reddish marginal lunules. Fore wings somewhat rounded at the tips; costa whitish; exterior border very slightly convex, rather oblique. Hind wings much rounded, extending beyond the abdomen. Length of the body $2\frac{1}{2}$ lines; of the wings 6 lines.

a. Hindostan. From the Entomological Society's collection.

GEOMETRA ? INDECRETATA.

Fœm. *Viridis; palpi rosei; antennæ breviusculæ, sat validæ; pedes roseo varii; tibiæ posticæ bicalcaratæ; alæ lineæ exteriore albida subrecta; anticæ lineæ interiore albida.*

Female. Green, paler beneath. Palpi porrect, rosy, nearly as long as the breadth of the head; third joint conical, less than one-fourth of the length of the second. Antennæ rather short and stout. Legs partly rosy; hind tibiæ with two short apical spurs. Wings moderately broad, with an exterior oblique nearly straight whitish line; fringe long, full. Fore wings slightly rounded at the tips, with an interior whitish line. Length of the body $3\frac{1}{2}$ lines; of the wings 9 lines.

a. South Hindostan. Presented by M. J. Walhouse, Esq.

GEOMETRA ? INOPTARIA.

Mas. *Albida, sat robusta; caput antice fuscescens; palpi porrecti; antennæ pectinatæ; tibiæ posticæ calcaribus quatuor approximatis; alæ latiusculæ, lituris nullis; anticæ acutæ; posticæ margine exteriore subangulato.*

Male. Whitish, rather stout. Head brownish in front. Palpi porrect, extending very little beyond the head; third joint conical, about one-fourth of the length of the second. Antennæ moderately pectinated. Abdomen not extending beyond the hind wings. Legs smooth; hind tibiæ with four approximate moderately long spurs. Wings rather broad, without any markings. Fore wings acute; costa and exterior border hardly convex, the latter rather oblique. Hind wings with the exterior border slightly angular in the middle. Length of the body 6 lines; of the wings 16 lines.

a. Shanghai. From the Entomological Society's collection.

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NEMORIA PRASINATA.

a, b. Europe. From Dr. Herrich-Schæffer's collection.

NEMORIA BERYLLARIA.

Nemoria beryllaria, Mann, *Zool. Bot. Ver. Wien.* 1853.

Europe.

NEMORIA VENUSTARIA.

Nemoria venustaria, Herr.-Sch. *Eur. Schm.* iii. 9.

America?

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NEMORIA INDISCRIMINATA.

Fœm. *Pallide flavescence-viridis; antennæ robustæ; alæ pallido variæ, lineis duabus pallidis valde indistinctis; anticæ vix acutæ.*

Female. Pale yellowish-green, whitish beneath. Palpi obliquely ascending, bent; third joint linear, shorter and more slender than the second. Antennæ stout. Wings transversely, minutely and indistinctly mottled with paler colour; interior and exterior lines paler, very indistinct. Fore wings hardly acute; costa straight; exterior border slightly convex. Length of the body 3 lines; of the wings 10 lines.

a. East Florida. Presented by E. Doubleday, Esq.

NEMORIA SUBCROCEATA.

Mas. *Pallide ochracea, subtus læte ochracea; caput antice rufum; antennæ sat robustæ; alæ viridi tinctæ, linea exteriore pallidiori subundulata valde indistincta; posticæ abdomen superantes, margine exteriore angulato.*

Female. Pale ochraceous, bright ochraceous beneath. Head red in front. Palpi porrect, not extending beyond the head; third joint extremely short. Antennæ rather stout. Wings mostly tinged with green, with a very indistinct oblique exterior paler slightly undulating line. Fore wings slightly rounded at the tips; costa and exterior border very slightly convex, the latter rather oblique. Hind wings extending beyond the abdomen; exterior border distinctly angular. Length of the body $3\frac{1}{2}$ lines; of the wings 11 lines.

a. New York. Presented by E. Doubleday, Esq.

NEMORIA INCERTATA.

Fœm. *Pallide viridescens-flava; vertex albidus; alæ lituris nullis; anticæ subacutæ; posticæ abdomen superantes, margine exteriore subflexo.*

Female. Pale greenish yellow. Vertex whitish. Palpi porrect, slender, not extending beyond the head. Wings without any markings. Fore wings slightly acute; exterior border hardly convex, rather oblique. Hind wings extending beyond the abdomen; exterior border very slightly bent. Length of the body 3 lines; of the wings 10 lines.

a—e. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.

NEMORIA? DENSARIA.

Mas. *Pallidissime viridis; caput anticum pallide roseum; tibiæ posticæ calcaribus apicalibus; alæ linea exteriore pallidiori recta obliqua; anticæ vix acutæ.*

Male. Very pale green. Head pale rosy in front. Palpi obliquely ascending, not rising higher than the vertex; third joint conical, very minute. Antennæ moderately pectinated, except towards the tips. Legs smooth; hind tibiæ with apical spurs only.

Wings moderately broad, with a paler straight oblique exterior line; fringe long, full. Fore wings hardly acute; costa hardly convex; exterior border convex, moderately oblique. Length of the body 4 lines; of the wings 10 lines.

a, b. East Florida. Presented by E. Doubleday, Esq.

c. ———? From Mr. Milne's collection.

NEMORIA? ATTENUATA.

Mas. *Pallide viridescens; vertex albus; antennæ pubescentes; abdomen attenuatum, alas posticas non superans; alæ linea exteriori albida recta obliqua; anticæ subacutæ.*

Male. Pale greenish. Vertex white. Palpi porrect, smooth, rather slender, extending very little beyond the head; third joint conical, very minute. Antennæ pubescent. Abdomen somewhat attenuated, not extending beyond the hind wings. Wings with an exterior straight oblique whitish line. Fore wings slightly acute; costa almost straight; exterior border hardly convex, very oblique. Length of the body 3 lines; of the wings 8 lines.

Cape. In Mr. Saunders' collection.

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NEMORIA OBLITERATA.

Fœm. *Pallide viridis; caput antice rufescens; alæ amplæ, linea albida recta obliqua indistincta; anticæ acutæ; posticæ abdomen superantes, margine exteriori angulato.*

Female. Pale green. Head reddish in front. Palpi porrect, very short, not extending to the front of the head. Wings ample, with a slender indistinct straight oblique whitish line. Fore wings acute; costa straight; exterior border hardly convex, rather oblique. Hind wings extending beyond the abdomen; exterior border distinctly angular. Length of the body 5 lines; of the wings 14 lines.

a. Shanghai. From the Entomological Society's collection.

NEMORIA LATARIA.

Fœm. *Pallidissime viridis; caput cervinum, vertice albido; tibiæ posticæ calcaribus quatuor parvis approximatis; alæ latæ, lineis duabus obliquis indistinctis obscurioribus; anticæ acutæ; posticæ abdomen superantes.*

Female. Very pale green. Head fawn-colour; vertex whitish. Palpi porrect, smooth, slender, extending very little beyond the head; third joint very minute. Legs smooth; hind tibiæ with two approximate pairs of short spurs. Wings broad, with two darker indistinct oblique lines. Fore wings acute; costa straight; exterior border hardly convex, rather oblique. Hind wings extending beyond the abdomen; interior angle prominent. Length of the body 4 lines; of the wings 11 lines.

Hindustan. In Mr. Saunders' collection.

NEMORIA? PARVULATA.

Fœm. *Albida, robusta; caput, thorax anticus costaque subflavescentia; palpi porrecti, caput non superantes; alæ breviusculæ, latiusculæ; anticæ acutæ.*

Female. Whitish, stout. Head, fore part of the thorax and costal space of the fore wings with a slight yellowish tinge. Palpi porrect, not extending beyond the head; third joint extremely small. Abdomen not extending beyond the hind wings. Spurs moderately long. Wings rather short and broad. Fore wings acute; costa straight; exterior border slightly convex and oblique. Length of the body $3\frac{1}{2}$ lines; of the wings 8 lines.

a. Hindostan. From the Entomological Society's collection.

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THALASSODES DEPRIVATA.

Mas. *Pallide viridis; caput antice ochraceum; antennæ late pectinatæ; abdomen alas posticas non superans; alæ lineæ exteriore pallida recta obliqua; anticæ acutæ.*

Male. Pale green. Head ochraceous in front. Palpi porrect, smooth, extending very little beyond the head; third joint extremely minute. Antennæ broadly pectinated. Abdomen not extending beyond the hind wings. Anterior legs mostly ochraceous. Wings with an exterior pale straight oblique line. Fore wings acute; exterior border slightly convex, moderately oblique. Length of the body 4 lines; of the wings 10 lines.

a. St. John's Bluff, East Florida. Presented by E. Doubleday, Esq.

THALASSODES GLAUCULATA.

Fœm. Glauco-viridis, subtus cinerea; corpus pallide cervinum; vertex albus; alæ puncto discali nigro, lineis duabus exterioribus cervinis valde indistinctis, linea marginali fusca, fimbria albida; anticæ vix acutæ; posticæ abdomen superantes.

Female. Sea-green, cinereous beneath. Body pale fawn-colour. Head darker; vertex white. Palpi porrect, very slender, not extending beyond the front; third joint much shorter than the first. Wings with a black discal point and with two very indistinct exterior fawn-coloured lines; marginal line brown; fringe whitish. Fore wings hardly acute; exterior border slightly convex and oblique. Hind wings extending beyond the abdomen; exterior border slightly bent. Length of the body $3\frac{1}{2}$ lines; of the wings 12 lines.

Brazil. In Mr. Saunders' collection.

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THALASSODES TRITONARIA.

Fœm. Pallide glauco-viridis; alæ latæ, lineis duabus obscurioribus obliquis denticulatis indistinctis; anticæ acutæ; posticæ abdomen superantes, margine exteriore angulato.

Female. Pale sea-green. Palpi smooth, slender, porrect, a little shorter than the breadth of the head; third joint linear, nearly as long as the second. Legs smooth, slender; hind tibiæ with four approximate spurs. Wings broad, with two oblique indistinct denticulate slightly darker lines. Fore wings acute; costa and exterior border straight; the latter rather oblique. Hind wings extending beyond the abdomen; exterior border distinctly angular. Length of the body 5 lines; of the wings 12 lines.

a. Hong Kong. Presented by Major Champion.

THALASSODES INAPTARIA.

Fœm. Pallide testacea; caput antice atrum; palpi porrecti, articulo 3o lanceolato; alæ amplæ, extus viridescentes, linea exteriore albida indistincta denticulata, linea marginali nigra, fimbria albido-cinerea, fascia subtus submarginali lata nigricante; anticæ subfalcatæ; posticæ subcaudatæ.

Female. Pale testaceous, rather stout, paler beneath. Head deep black in front. Palpi porrect, much shorter than the breadth of the head; third joint lanceolate, much shorter than the second. Antennæ stout. Legs smooth; hind tibiæ with four rather short spurs. Wings ample, greenish exteriorly, with an indistinct denticulated exterior whitish line; marginal line black, slender; fringe whitish cinereous; under side with a broad blackish submarginal band, which is abbreviated in front. Fore wings subfalcate, very acute; costa straight, blackish-speckled; exterior border straight, very oblique. Hind wings extending very much beyond the abdomen, with the exterior border produced into a short tail. Length of the body 6 lines; of the wings 20 lines.

a. Silhet. From the Rev. J. Stainforth's collection.

THALASSODES MACRURARIA.

Pallide viridis; caput antice rufum; antennæ pubescentes; tibiæ posticæ bicalcaratæ; alæ amplæ, fascia subochracea dentata undulata, gutta discali lineaque marginali fuscis; anticæ subfalcatæ, fascia interiore subochracea, costa fusco conspersa, margine exteriore subdentato; posticæ margine exteriore sat dentato.

Male. Pale green, pale testaceous when faded. Head deep red in front. Palpi porrect, not extending beyond the head; third joint extremely short. Antennæ stout, minutely pubescent. Abdomen with a very small apical tuft. Legs smooth; hind tibiæ with two moderately long spurs. Wings ample, with a dentate undulating pale dull ochraceous band; discal dot and marginal line dark brown. Fore wings acute, subfalcate, with an interior pale ochraceous band; costa straight, speckled with dark brown; exterior border festooned, very slightly angular in the middle. Hind wings extending a little beyond the abdomen; exterior border more notched than that of the fore wings. Length of the body 7—7½ lines; of the wings 17—18 lines.

a—c. Hindostan. From the Entomological Society's collection.

d—f. Silhet. From the Rev. J. Stainforth's collection.

g. North Hindostan. From Mr. James' collection.

Female? Palpi extending a little beyond the head; third joint longer than that of the male. Wings less ample; exterior border less notched; bands almost obsolete.

h. Canara. Presented by the Secretary of the India Board.

THALASSODES BIFASCIATA.

Fœm. *Albida; caput et thorax pallide ochracea; alæ amplæ, fasciis duabus latis rectis subparallelis pallide ochraceis, la subabbreviata; anticæ acutæ, basi costaque ochraceo sub-tinctis; posticæ marginis exterioris angulo acuto.*

Female. Whitish. Head and thorax pale ochraceous. Palpi porrect, hardly extending beyond the head; third joint conical, about one-fourth of the length of the second. Legs smooth; hind tibiæ with four moderately long spurs. Wings ample, with two broad oblique straight nearly parallel pale ochraceous bands; first band slightly abbreviated; exterior border partly and slightly tinged with pale ochraceous. Fore wings acute, slightly tinged with ochraceous at the base and along the costa; costa and exterior border hardly convex, the latter rather oblique. Hind wings extending much beyond the abdomen; exterior border acutely angular in the middle. Length of the body 7 lines; of the wings 20 lines.

a. Silhet. From the Rev. J. Stainforth's collection.

THALASSODES MACARIATA.

Mas. *Pallide testacea; caput antice ferrugineum; palpi porrecti, articulo 3o lanceolato; antennæ late pectinatæ; tibiæ posticæ subincrassatæ; alæ amplæ, linea exteriori informi albida, spatio marginali lato testaceo-albido fusco consperso, puncto discali lineaque marginali nigricantibus; anticæ falcatæ, margine exteriori antico inciso; posticæ dilatatæ, margine exteriori inciso caudato.*

Male. Pale testaceous. Head ferruginous in front. Palpi porrect, extending somewhat beyond the head; third joint lanceolate, not more than one-third of the length of the second. Antennæ rather broadly pectinated for more than two-thirds of the length. Hind tibiæ slightly incrassated, with four moderately long spurs. Wings very ample, with a broad marginal testaceous-whitish brown-speckled space, which is divided from the ground hue by a whitish irregular line; discal point and marginal line blackish, the latter forming lunules in the hind wings; under side with a dark brown abbreviated submarginal band. Fore wings acute, falcate; exterior border notched in front. Hind wings much dilated hindward; exterior border notched, furnished with a rather long tail. Length of the body 7? lines; of the wings 18 lines.

a. Silhet. From Mr. Argent's collection.

THALASSODES ILLITURATA.

Mas. *Pallide viridescens; caput antice fuscum; palpi erecti, verticem vix superantes; antennæ sat late pectinatæ; tibiæ posticæ subdilatatæ; alæ linea obscuriore dentata valde indistincta; posticæ latæ, abdomen superantes, margine exteriori angulato antice subexcavato.*

Male. Pale testaceous-cinereous, greenish in the living state. Head dark brown in front. Palpi erect, hardly rising higher than the vertex; third joint conical, minute, not more than one-fourth of the length of the second. Antennæ rather broadly pectinated. Hind tibiæ slightly dilated; second pair of spurs much shorter than the first pair. Wings with a very indistinct darker dentate line; costa and exterior border straight, the latter rather oblique. Hind wings broad, extending beyond the abdomen; exterior border acutely angular in the middle, very slightly excavated in front, straight behind. Length of the body 7 lines; of the wings 20 lines.

a. Shanghai. From the Entomological Society's collection.

THALASSODES PALLIPLAGIATA.

Mas. *Læte viridis, subtus pallide cinerea; corpus pallide testaceum; caput fuscum; palpi porrecti; antennæ pectinatæ; alæ basi testaceæ, plaga apud marginem anteriorem posticum albido-testacea ferrugineo marginata et conspersa, puncto discali lineaque marginali fuscis, margine exteriori antico concavo; anticæ acutæ.*

Male. Bright grass-green, pale cinereous beneath. Body pale testaceous. Head brown. Palpi porrect, hardly extending beyond the head. Antennæ rather broadly pectinated. Wings testaceous towards the base, each having along the hind part of the exterior border a large whitish testaceous-tinged patch, which is bordered and speckled with ferruginous; discal point and marginal line brown; exterior border concave in front. Fore wings acute; costa slightly convex; exterior border very oblique hindward. Length of the body 6 lines; of the wings 16 lines.

a. Hindostan. From Archdeacon Clerk's collection.

THALASSODES STRIGIGERA.

Fœm. *Albido-viridis; alæ strigis transversis undulatis albis creberrimis; anticæ puncto discali obscuro; posticæ obsoletius angulatæ.*

Thalassodes strigigera, Wallengrén, Wien. *Ent. Monat.* iv. 175.
Sydney.

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THALASSODES SCITISSIMARIA.

Mas. *Alba; caput viridi bifasciatum; palpi nigricante bifasciati; thorax viridi varius; abdomen viridi quadrilineatum; alæ semihyalinæ, fasciis tribus viridibus albo punctatis; posticæ apud angulum anteriorem dilatatæ.*

Male. White. Closely allied to *T. insperata*. Head with two bright green bands. Palpi with two blackish bands. Antennæ slightly pectinated for more than half the length from the base. Thorax mostly green. Abdomen with four irregular green lines. Wings semihyaline, with three green bands, which contain many white points, the latter being chiefly on the veins; middle band broader and much more complete than the others, with a green zig-zag line between it and the third band; exterior border slightly festooned. Hind wings much widened hindward, extending beyond the abdomen. Length of the body 7 lines; of the wings 16 lines.

a. Moreton Bay. From Mr. Diggles' collection.

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COMIBÆNA TROGONARIA.

Mas. *Pallide crocea; alæ ochraceo conspersæ, puncto discali nigro, linea exteriori alba denticulata nigro submarginata antice abbreviata, spatio marginali purpurascente.*

Comibæna trogonaria, Herr.-Sch. *Exot. Schm.* pl. 94, f. 535.
Brazil.

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COMIBÆNA REFLEXARIA.

Mas et fœm. *Cinereo-fusca, iridescens; antennæ maris late pectinatae; alæ subhyalinæ, pallide cæruleo-virides, linea exteriore nigra undulata chalybæo marginata, lunulis marginalibus nigris; anticæ apice subrotundatæ, gutta discali rufescent-cinerea chalybeo notata.*

Male and female. Cinereous-brown. Body iridescent. Antennæ of the male broadly pectinated. Wings pale bluish green, nearly hyaline, very iridescent; exterior line black, very undulating, chalybeous-bordered on the outer side; marginal space reddish cinereous, including an incomplete blackish band, which is diffuse on the inner side and chalybeous-bordered on the outer side; marginal lunules black. Fore wings slightly rounded at the tips; discal dot reddish cinereous, marked with chalybeous near the costa. Length of the body 3—6 lines; of the wings 8—18 lines.

a. South Africa. Presented by R. Trimen, Esq.

b, c. Sierra Leone. Presented by the Rev. D. F. Morgan.

d. ———? Presented by E. Doubleday, Esq.

COMIBÆNA PERLEPIDATA.

Mas. *Cinereo-fusca; palpi ascendentes; antennæ dimidio basali subpectinatae; alæ semihyalinæ, iridescentes, fascia marginali fusca ferrugineo varia intus undulata nigro et argenteo marginata; anticæ acutæ, macula subcostali fusca; posticæ abdomen superantes.*

Male. Cinereous-brown. Palpi ascending, not rising so high as the vertex; third joint very minute. Antennæ very slightly pectinated for about half the length. Wings semihyaline, iridescent, with a brown partly ferruginous irregularly broad marginal band, which is bordered on the inner side by an undulating black line, the latter accompanied by a silvery line. Fore wings acute; costa straight; exterior border slightly convex, rather oblique; a large brown spot in the disk near the costa. Hind wings extending beyond the abdomen. Length of the body 5 lines; of the wings 14 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

COMIBÆNA ZONATA.

Mas. *Flavescente-viridis, subtus rosea; caput antice rubrum; palpi brevissimi, gracillimi; antennæ pectinatæ; abdomen rufescens, basi pallidum; alæ gutta discali lineaque exteriore dentata undulata obscure rufis, fascia marginali lata purpurascente-rufa chalybæo tincta; anticæ acutæ, costa rufescente.*

Male. Yellowish green, rosy beneath. Head deep red in front. Palpi very short and slender, not extending beyond the head. Antennæ pectinated, except towards the tips. Abdomen reddish, except at the base. Wings with a broad marginal purplish red chalybeous-tinged band, which is bordered along the inner side by a concise darker red dentate and undulating line; discal dot dark red. Fore wings acute; costa reddish, hardly curved; exterior border slightly convex, moderately oblique. Hind wings extending beyond the abdomen. Length of the body 6 lines; of the wings 16 lines.

a. Caffraria. From M. Becker's collection.

COMIBÆNA GAVISATA.

Mas. *Flavescens, subtus albida; palpi porrecti, fimbriati; antennæ late pectinatæ; thorax posticus et abdomen rufescentia; alæ amplæ, basi rufescentes, fascia latissima informi marginali rufescente chalybæo marginata postice abbreviata; anticæ acutæ.*

Male. Yellowish, whitish beneath. Palpi porrect, fringed, extending a little beyond the head. Antennæ broadly pectinated, except at the tips. Thorax, except in front, and abdomen reddish. Wings ample, reddish at the base, and with a very broad reddish irregular marginal band, which is bordered by two bright chalybeous lines, and does not extend to the interior border of the hind wings. Fore wings acute; exterior border slightly convex, rather oblique. Length of the body 5 lines; of the wings 15 lines.

a. North Hindostan. From Mr. James' collection.

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COMIBÆNA SCRIPTIFASCIATA.

Mas. *Cinerea, iridescens; caput fuscum; antennæ pectinatæ; alæ luridæ, subhyalinæ, linea exteriore nigra dentata flexa chalybeo*

marginata, spatio marginali purpurascente fasciam angulosam ferrugineam chalybæo interlineatam includente; anticæ apice subrotundatæ, costa conspersa, puncto discali fusco chalybæo notata.

Male. Cinereous. Head brown. Antennæ moderately pectinated. Thorax and abdomen iridescent. Wings lurid, nearly hyaline, very iridescent; exterior line black, dentate, bent, chalybeous-bordered; marginal space dull purplish, with a ferruginous acutely zigzag band, which includes a chalybeous line of like form. Fore wings slightly rounded at the tips; costa speckled; discal point brown, with a chalybeous mark. Length of the body 6 lines; of the wings 16 lines.

a. Sarawak, Borneo. From Mr. Wallace's collection.

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THETIDEA? RADIATA.

Mas. Viridis; caput albido fasciatum; palpi porrecti, caput paullo superantes; antennæ subpectinatæ; thorax albido fasciatus; abdomen albidum; alæ anticæ acutæ, lineis duabus strigisque transversis subargenteis; posticæ albæ, fasciis duabus interruptis pallide viridescensibus.

Male. Grass-green, paler beneath. Head with a whitish band. Palpi porrect, stout, extending a little beyond the head; third joint conical, less than one-fourth of the length of the second. Antennæ very slightly pectinated. Thorax with a whitish band. Abdomen whitish. Legs smooth; hind tibiæ with four rather short spurs. Wings ample. Fore wings acute, with slightly silvery markings; first line deeply angular; second line zigzag in the middle; streaks between the lines less distinct than the marginal streaks. Hind wings white, extending beyond the abdomen; exterior and marginal bands pale green, interrupted, the second much broader than the first. Length of the body 6 lines; of the wings 16 lines.

a. North Hindostan. From Mr. Stevens' collection.

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AGATHIA LYCENARIA.

c. Hong Kong. Presented by J. C. Bowring, Esq.

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THALERA BUPLEURARIA.

a—c. Europe. From Dr. Herrich-Schäffer's collection.

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Genus RHAMIDAVA.

Mas et fœm. Corpus gracillimum. Proboscis breviuscula, sat gracilis. Palpi pilosi, oblique ascendentes. Antennæ longæ, graciles, maris pubescentes. Thorax brevis. Abdomen cylindricum, longissimum, alas posticas vix superans. Pedes læves, graciles, longissimi; tibiæ posticæ subincrassatæ, quadricaratae. Alæ amplæ; anticæ acutæ, margine exteriori perobliquo; posticæ subtruncatæ.

Male and female. Body very slender. Proboscis rather short and slender. Palpi pilose, obliquely ascending, not rising so high as the vertex; third joint conical, very minute. Antennæ long, slender, pubescent in the male. Thorax short. Abdomen cylindrical, very long, hardly extending beyond the hind wings. Legs smooth, slender, very long; hind tibiæ slightly incrassated, with four moderately long spurs. Wings ample. Fore wings acute; costa straight; exterior border slightly convex, very oblique. Hind wings slightly truncated at the tips.

RHAMIDAVA FULVATA.

Lutescens; caput ochraceo fasciatum; thorax antice chalybæo-ochraceus; alæ lineis duabus rectis obliquis ochraceis, 2a chalybæo squamosa, puncto discali nigricante; anticæ linea inferiore obliqua ochracea, costa nigricante conspersa chalybæo squamosa.

Phalæna fulvata, Drury, Ins. iii. pl. 21, f. 4.

a—c. Sierra Leone. Presented by the Rev. D. F. Morgan.

d, e. Sierra Leone. From Mr. Foxcroft's collection.

f. ———? From Mr. Miles' collection.

RHAMIDAVA SODALIATA.

Fœm. Pallide lutea; thorax antice cinereo-cervinus; alæ ochraceo conspersæ, lineis tribus ochraceis subarcuatis vix obliquis,

linea submarginali e guttis argenteis; anticæ gutta subcostali argentea nigro et ochraceo marginata, costa cinereo-cervina; posticæ margine exteriori antico subdentato.

Female. Pale luteous. Thorax cinereous fawn-colour in front. Wings transversely ochraceous-speckled, with three transverse nearly upright slightly curved ochraceous lines, and with an irregular submarginal line of silvery dots. Fore wings with a silvery subcostal dot, bordered with black and with ochraceous; costa cinereous fawn-colour; exterior border moderately oblique. Hind wings with the exterior border slightly dentate in front. Length of the body 9 lines; of the wings 20 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

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PALYAS? NITIDARIA.

Ferruginea; alæ lineis quatuor obliquis chalybeis, nigro marginatis, 1a 2aque rectis, 1a antice furcata, 3a undulata, 4a marginali.

Phalæna-Geometra nitidaria, *Cram. Pap. Exot.* iv. 137, pl. 360, f. G.

Surinam.

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OPHTHALMOPHORA? HILARIA.

Ochracea; alæ anticæ purpurascentes, nigro conspersæ, fascia arcuata albida cervino late marginata, ocello subapicali atro.

Phalæna Hilaria, *Cram. Pap. Exot.* ii. 26, pl. 113, f. F.

Surinam.

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Genus TASTA.

Fœm. Corpus robustum. Proboscis conspicua. Palpi brevissimi, oblique ascendentes, articulo 3o minimo. Antennæ læves. Abdomen alas posticas non superans. Pedes læves, sat graciles; tibiæ posticæ calcaribus quatuor longis. Alæ latiusculæ, non longæ; anticæ apice rotundatæ; posticæ abdomen superantes.

Female. Body stout. Proboscis distinct. Palpi very short, obliquely ascending, not rising near so high as the vertex; third joint conical, extremely minute. Antennæ smooth. Abdomen not extending beyond the hind wings. Legs smooth, rather slender;

hind tibiæ with four long spurs. Wings rather broad, not long. Fore wings somewhat rounded at the tips; costa straight; exterior border slightly convex, moderately oblique. Hind wings extending beyond the abdomen.

TASTA MICACEATA.

Fœm. *Subiridescente-cinerea; caput fuscens; alæ purpurascete tinctæ, aurato squamosæ, fascia exteriori obscuriore indistincta, spatio marginali cinereo-cervino lineam chalybeam interruptam includente; posticæ macula submarginali atra testaceo squamisque auratis marginata.*

Female. Cinereous dove-colour. Head brownish. Wings with a purplish tinge, minutely spangled with gilded scales; an exterior oblique indistinct darker band; marginal space cinereous fawn-colour, including an interrupted chalybeous line. Hind wings with a deep black submarginal ocellus, which has a testaceous border and a more outward incomplete border of gilded scales. Length of the body 6 lines; of the wings 15 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

Genus DAMNA.

Mas. Corpus robustum. Proboscis gracilis. Palpi graciles, porrecti, caput non superantes; articulus 3us minimus. Antennæ late pectinatæ. Abdomen conicum, breviusculum; fasciculus apicalis minimus. Pedes læves, breviusculi, sat validi; tibiæ posticæ bicalcaratæ. Alæ latæ, non longæ; anticæ subacutæ, costa convexa; posticæ abdomen longe superantes.

Male. Body stout. Palpi slender, porrect, not extending beyond the head; third joint extremely minute. Proboscis slender. Antennæ broadly pectinated. Abdomen conical, rather short; apical tuft extremely small. Legs smooth, rather short and stout; hind tibiæ with two apical spurs. Wings broad, not long. Fore wings slightly acute; costa convex; exterior border hardly convex, moderately oblique. Hind wings extending much beyond the abdomen.

DAMNA GELIDATA.

Mas. *Alba; caput ferrugineum; alæ fascia submarginali diffusa interrupta pallidissime cervina lineam argenteo squamosam includente, linea marginali argentea; anticæ gutta discali tumida nigra squamis argenteis divisa.*

Male. White. Head ferruginous. Wings with a diffuse interrupted submarginal very pale fawn-coloured band, which includes a line of glittering silvery scales; marginal line bright silvery. Fore wings with a discal tumid black dot, which is traversed by a subcostal line of silvery spangles. Length of the body 4 lines; of the wings 15 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

Genus INGENA.

Fœm. Corpus sat validum. Proboscis conspicua. Palpi graciles, oblique ascendentes, subangulati, verticem non superantes; articulus 2us longus, linearis; 3us conicus, minimus. Antennæ læves, graciles. Pedes læves, brevisculi; tibiæ posticæ quadricaratae. Alæ latiusculæ; anticæ vix acutæ, costa subrecta; posticæ abdomen superantes.

Female. Body moderately stout. Proboscis distinct. Palpi slender, obliquely ascending, not rising higher than the vertex; second joint long, linear; third conical, extremely minute, not more than one-eighth of the length of the second, with which it forms a slight angle. Antennæ smooth, slender. Legs smooth, rather short; hind tibiæ with four spurs of moderate length. Wings rather broad. Fore wings hardly acute; costa almost straight; exterior border slightly convex, moderately oblique. Hind wings extending beyond the abdomen; interior angle prominent.

INGENA SCITICINCTA.

Fœm. *Schistaceo-cinerea; caput ochraceum; alæ lineis tribus ferrugineis angulosis cinereo ex parte marginatis, linea marginali nigra, fimbria ochracea; anticæ linea interiore ferruginea indeterminata, costa ochraceo nigro conspersa, macula apud angulum interiorem ferruginea.*

Female. Slaty cinereous, paler beneath. Head deep ochraceous. Wings with the middle, exterior and submarginal lines ferruginous, zigzag, partly bordered with pale cinereous; submarginal line especially interrupted in the fore wings; marginal festoon black; fringe ochraceous; under side without markings, except the exterior line, which is cinereous. Fore wings with an incomplete interior ferruginous line; costa deep ochraceous, black-speckled; a ferruginous spot by the interior angle. Length of the body 5 lines; of the wings 16 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

Genus CACYPARIS.

Corpus robustum. Alæ latæ; anticæ apice rotundatæ, costa convexa, margine exteriore perobliquo, angulo interiore rotundato.

Body stout. Wings broad. Fore wings somewhat rounded at the tips; costa and exterior border convex, the latter very oblique; interior angle rounded.

CACYPARIS INSOLITATA.

Fusca, subtus lutea; thorax chalybæo conspersus; abdomen ochraceum; alæ anticæ cervinæ, basi, plaga costali fasciæque exteriore maculari fuscis chalybæo squamosis, macula nigra elliptica subapicali testaceo marginata et interlineata, macula apud marginem interiorem atra squamosa tumida; posticæ pallide luteæ, vitta apud marginem interiorem fusca.

Brown, luteous beneath. Thorax with numerous bright chalybeous scales. Abdomen ochraceous. Fore wings fawn-coloured, brown towards the base, with a brown costal patch and with a brown exterior macular irregular band; these brown parts are spangled with chalybeous scales; an elliptical black subapical spot, which is bordered with testaceous and traversed by a testaceous vein; a deep black squamous tumid spot on the interior border, beyond which it partly projects. Hind wings pale luteous, with a brown stripe, which extends along the interior border and is much dilated hindward. Length of the body 6½ lines; of the wings 18 lines.

a. Hindostan. Presented by the Secretary of the India Board.

Genus NUSTIDAVA.

Mas. Corpus gracile. Proboscis mediocris. Palpi sat graciles, angulati, caput perpaullo superantes; articulus 2us porrectus, fimbriatus; 3us longi-conicus. Antennæ subsetulosæ. Abdomen alas posticas non superans. Pedes læves, longi, graciles; tibiæ posticæ incrassatæ, calcaribus quatuor parvis. Alæ ampliæ; anticæ elongatæ, margine exteriore perobliquo; posticæ latissimæ, margine exteriore subangulato postice subinciso.

Male. Body slender. Proboscis moderately long. Palpi rather slender, extending very little beyond the head; second joint porrect, fringed above; third joint elongate-conical, declining, hardly one-third of the length of the second, with which it forms a distinct

angle. Antennæ very minutely setulose. Abdomen long, not extending beyond the hind wings. Legs smooth, long, slender; hind tibiæ incrassated, with four short spurs. Wings ample. Fore wings acute, much elongated; costa very slightly convex; exterior border extremely oblique, straight, except a very slight excavation hindward. Hind wings very broad; exterior border slightly angular in the middle, slightly notched hindward.

NUSTIDAVA UNILINEATA.

Mas. *Albida; caput ferrugineo fasciatum; palpi supra ferruginei; thorax antice subtestaceus; alæ fusco subconspersæ, linea exteriorē fusca lata recta; anticæ lineis interiorē et mediā subobsoletis, punctis paucis marginalibus fuscis; posticæ semihyalinæ.*

Male. Whitish. Head with a ferruginous band in front. Palpi ferruginous above. Thorax pale testaceous in front. Wings slightly brown-speckled, with a broad straight brown exterior line, which extends from near the tips of the fore wings to a little beyond one-third of the length of the interior border of the hind wings. Fore wings with very slight traces of the interior line and of the middle line; a few brown marginal points; under side more speckled. Hind wings semihyaline. Length of the body 8 lines; of the wings 24 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

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EPHYRA STEMMATARIA.

Ephyra stemmataria, Eversm. Bull. Soc. Imp. Nat. Mosc. 1848, iii. 227.

South Russia.

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EPHYRA FILIFERATA.

Fœm. *Cervina; caput ferrugineum; palpi ascendentes, brevissimi; alæ puncto discali albo nigro-marginato; linea exteriorē fusca undulata gracillima; anticæ acutæ, linea interiorē obscuriorē diffusa valde indistincta; posticæ angulo interiorē bene determinato.*

Female. Fawn-colour, paler beneath. Head ferruginous. Palpi ascending, not rising so high as the vertex; third joint

extremely minute. Wings with a shining white black-bordered discal point, and with a brown exterior undulating extremely slender line. Fore wings acute, with an interior diffuse and very indistinct darker line; costa straight; exterior border hardly convex. Hind wings with a prominent interior angle; exterior border convex. Length of the body 5 lines; of the wings 16 lines.

a. Jamaica. From Mr. Gosse's collection.

EPHYRA LUCIDIFERATA.

Mas. *Pallide cinereo-ochracea; alæ nigricante conspersæ, punctis marginalibus nigris; anticæ acutæ; posticæ macula discali alba nitente.*

Male. Pale ochraceous, with a cinereous tinge, more cinereous beneath. Frontal tuft rather prominent. Palpi extending a little beyond the head; third joint extremely minute, less than one-sixth of the length of the second. Antennæ moderately pectinated, except at the tips. Spurs long. Wings minutely and transversely blackish-speckled; marginal points black. Fore wings acute; costa straight; exterior border slightly convex, rather oblique. Hind wings with a shining white discal spot. Length of the body 6 lines; of the wings 16 lines.

a. St. Domingo. From Mr. Tweedie's collection.

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EPHYRA ACUTARIA.

Fœm. *Cinereo-rufescens; palpi porrecti, gracillimi, articulo 3o lineari; thorax antice nigricans; alæ angustæ, elongatæ, conspersæ, lineis tribus fusciscentibus indistinctis denticulatis, 3a nigro punctata, lunulis marginalibus nigricantibus, puncto discali albo; anticæ peracutæ, rufescente conspersæ, costâ nigricante.*

Female. Cinereous-reddish, cinereous beneath. Palpi porrect, very slender, extending beyond the head; third joint linear, much shorter than the second. Thorax blackish in front. Wings narrow, elongate, thickly speckled, with three brownish oblique indistinct denticulated lines; third line accompanied by black points; marginal lunules blackish; discal point white. Fore wings very acute, reddish-speckled, a little darker along the exterior border;

costa straight, blackish; exterior border hardly convex, very oblique. Length of the body $3\frac{1}{2}$ lines; of the wings 11 lines.

Brazil.

a. Venezuela. From Mr. Dyson's collection.

EPHYRA? BINOCELLARIA.

Mas. *Purpurascens-fusca*; antennæ late pectinatæ, apice simplices, linea exterior obscuriore subundulata, linea submarginali e punctis albis, fimbria ochracea; anticæ lineis duabus interioribus obscuris, puncto discali albo; posticæ ocello discali albo.

Zonosoma binocellaria, Herr.-Sch. *Exot. Schm.* pl. 62, f. 351.

Venezuela.

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EPHYRA TESTACEATA.

Fœm. *Testacea*; palpi porrecti, latiusculi, caput perpaullo superantes, articulo 3o conico minimo; alæ cervino conspersæ; anticæ apice subrotundatæ, linea interior recta cervina costam versus abbreviata, puncto discali nigricante; posticæ puncto discali fusco, margine exterior subangulato.

Female. Testaceous. Palpi porrect, rather broad, extending very little beyond the head; third joint conical, extremely minute. Wings moderately broad, very minutely speckled with fawn-colour. Fore wings slightly rounded at the tips, with a straight oblique fawn-coloured exterior line, which is abbreviated towards the costa; discal point blackish, forming a short streak on the under side; costa straight; exterior border slightly convex, rather oblique. Hind wings with a brown discal point, which is larger than that of the fore wings; exterior border forming a slight obtuse angle. Length of the body 4 lines; of the wings 12 lines.

a. Congo. Presented by Sir J. Richardson.

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EPHYRA? STRIGULATARIA.

Mas et fœm. *Cervina*; caput fuscescens, vertice fœm. albo; palpi lati, breves; alæ nigricante strigatæ, lineis duabus rectis fer-

rugineis, puncti discalis margine ferrugineo, punctis marginalibus nigris, macula subtus magna discali nigra, fascia subtus fusca submarginali diffusa.

Male and female. Fawn-colour, pale cinereous beneath. Vertex of the female white. Head brownish. Palpi broad, much shorter than the breadth of the head; third joint very small. Antennæ of the male moderately pectinated to two-thirds of the length. Legs smooth, slender. Wings transversely and minutely blackish-streaked, darker towards the exterior border, with two straight ferruginous lines, of which the second is contiguous to the inner side of the ferruginous-bordered discal point; marginal points black, minute; under side with a large black discal spot, and with a diffuse brown submarginal band. Fore wings acute, with a black discal point. Hind wings with a white discal point. Length of the body 5—6 lines; of the wings 16 lines.

a, b. North Hindostan. Presented by the Secretary of the India Board.

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EPHYRA IGNOTARIA.

Mas. *Pallide cervina, subtus rufescente-cinerea; palpi decumbentes, breves, articulo 3o lanceolato; tibiæ posticæ bicalcaratæ; alæ elongatæ, conspersæ, punctis submarginalibus et marginalibus nigris, puncto discali albo nigricante-marginato; anticæ acutæ; posticæ subdentatæ.*

Male. Pale fawn-colour, pale reddish cinereous beneath. Palpi decumbent, short; third joint lanceolate, much shorter than the second. Antennæ moderately pectinated, except towards the tips. Abdomen not extending beyond the hind wings. Legs smooth, slender; tibiæ with two spurs, which are much longer in the middle tibiæ than in the hind tibiæ. Wings elongate, very minutely speckled; submarginal points and marginal points black; discal point white, blackish-bordered. Fore wings acute; costa almost straight; exterior border slightly convex, very oblique. Hind wings slightly dentate. Length of the body 4 lines; of the wings 12 lines.

a. ———? From Mr. Milne's collection.

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ANISODES? INTRACTATA.

Fœm. *Cervina; palpi brevissimi; alæ nigro subconsersæ, puncto discali nigro, linea exterior e punctis nigricantibus albo*

notatis, lineis interiore et media vix conspicuis; anticæ acutæ, costa margineque exteriori subconvexis.

Female. Fawn-colour, paler beneath. Palpi very short. Wings thinly and very minutely black-speckled, with a black discal point and with an almost obsolete exterior line, which is distinguished by blackish white-marked points on the veins; it is more distinct on the under side, which is not speckled; interior and middle lines still more indistinct. Fore wings acute; costa and exterior border slightly convex. Length of the body 5 lines; of the wings 16 lines.

a. East Florida. Presented by E. Doubleday, Esq.

ANISODES? REPUGNATA.

Fœm. *Pallide cervina; caput antice obscurius; palpi brevissimi; alæ nigro conspersæ, lineis interiore et exteriori e punctis nigris, puncto discali punctisque marginalibus nigris; anticæ apice rotundatæ, costa vix convexa.*

Female. Pale fawn-colour, very pale beneath. Head darker in front. Palpi very short. Antennæ stout. Hind tibiæ with four long spurs. Wings minutely black-speckled; interior and exterior lines composed of black points, the latter more complete and conspicuous than the former; discal point black, larger than the black marginal points. Fore wings somewhat rounded at the tips; costa hardly convex; exterior border slightly convex, moderately oblique. Length of the body 4 lines; of the wings 10 lines.

a, b. East Florida. Presented by E. Doubleday, Esq.

ANISODES ORDINATA.

Fœm. *Rufescente-cervina; palpi flexi, capitis latitudine longiores, articulo 3o lineari; alæ amplæ, lineis interiore et exteriori e punctis nigris, puncto discali albo nigro-marginato, lunulis marginalibus nigris, margine exteriori subdentato; anticæ acutæ.*

Female. Reddish fawn-colour, a little paler beneath. Palpi bent, rather longer than the breadth of the head; third joint linear, shorter and more slender than the second. Wings ample; discal point white, black-bordered; interior and exterior lines composed of black points on the veins; marginal festoon black; exterior border convex, very slightly dentate, and especially so in the fore wings.

Fore wings acute; costa straight; discal point larger than in the hind wings, but with a much narrower border. Length of the body 6 lines; of the wings 18 lines.

a. Jamaica. From Mr. Gosse's collection.

ANISODES CONGRUARIA.

Fœm. Pallide rufescente-cervina; palpi graciles, porrecti, capitis latitudine multo longiores; alæ latæ, punctis submarginalibus nigris, margine exteriori dentato; antica acutæ, puncto discali albo; posticæ gutta discali nigra.

Female. Pale reddish fawn-colour, mostly cinereous beneath. Palpi slender, porrect, much longer than the breadth of the head; third joint nearly as long as the second. Legs smooth, slender; hind tibiæ with four long spurs. Wings broad; submarginal points and marginal points black, the latter very small. Fore wings acute, with a white discal point; costa straight; exterior border convex, very slightly festooned, moderately oblique. Hind wings with a small black discal dot, extending a little beyond the abdomen; exterior border more dentate than that of the fore wings. Length of the body 6 lines; of the wings 16 lines.

Jamaica. In Mr. Saunders' collection.

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ANISODES METASPILATA.

Fœm. Rufescente-cervina; vertex albus; palpi porrecti, graciles, lineares, capitis latitudine longiores; alæ amplæ, punctis submarginalibus et marginalibus nigris, fimbria extus cinerea; antica acutæ; posticæ macula discali magna nigra.

Female. Reddish fawn-colour, paler beneath. Vertex white. Palpi porrect, slender, linear, longer than the breadth of the head; third joint nearly as long as the second. Wings ample; submarginal and marginal points black, minute; fringe cinereous exteriorly. Fore wings acute; exterior border hardly convex, rather oblique. Hind wings with a large black discal spot. Length of the body 6 lines; of the wings 18 lines.

a. Venezuela. From Mr. Dyson's collection.

ANISODES? FIMBRIPEDATA.

Mas. *Pallide rufescens; antennæ pectinatæ; pedes postici fimbriati, tibiis unicalcaratis; alæ amplæ, elongatæ, punctis submarginalibus et marginalibus nigris; anticæ acutæ, puncto discali albo; posticæ macula discali nigro-albo.*

Male. Pale reddish, pale reddish cinereous beneath. Antennæ moderately pectinated. Legs smooth, slender; hind femora and hind tibiæ fringed, the latter with one long apical spur. Wings elongate, ample, with submarginal and marginal black points. Fore wings acute, with a white discal point; exterior border slightly convex, very oblique. Hind wings with a round black discal spot, which is bordered and pupilled with white. Length of the body 6? lines of the wings 18 lines.

Rio Janeiro. In Mr. Fry's collection.

ANISODES ORDINATA.

Fœm. *Subtestaceo-cinerea, subtus subrosea; caput antice ferrugineum; palpi graciles, incumbentes, capitis latitudine vix breviores; alæ latiusculæ, rufo conspersæ, fasciis duabus subobscurioribus, lineis duabus e punctis nigricantibus, annulo discali rufo, punctis marginalibus nigris; anticæ acutæ; posticæ margine exteriori subdentato.*

Female. Cinereous, with a very slight testaceous tinge, somewhat rosy beneath. Head ferruginous in front. Palpi slender, decumbent, nearly as long as the breadth of the head; third joint linear, as long as the second. Hind tibiæ with four long spurs. Wings rather broad, minutely speckled with red; interior and exterior lines composed of blackish points; middle and submarginal bands very little darker than the ground hue, very indistinct, the latter incomplete; discal ringlet red; marginal points black. Fore wings acute; costa straight; exterior border convex, moderately oblique. Hind wings with the exterior border slightly festooned. Length of the body 5 lines; of the wings 14 lines.

Amazon Region. In Mr. Saunders' collection.

ANISODES DEREMPTARIA.

Fœm. *Pallide subrufescente-cinerea; palpi gracillimi, capitis latitudine vix breviores; alæ elongatæ, pulverulentæ, punctis marginalibus nigris; anticæ acutæ; posticæ abdomen paullo superantes, angulo interiore bene determinato.*

Female. Pale cinereous, with a slight pale reddish tinge. Palpi very slender, nearly as long as the breadth of the head; third joint as long as the second. Legs slender; spurs long. Wings elongate, pulverous, without markings, except the minute black marginal points. Fore wings acute; costa straight; exterior border slightly convex, rather oblique. Hind wings extending a little beyond the abdomen; interior angle rather prominent. Length of the body 4—5 lines; of the wings 12—14 lines.

a, b. South Africa. Presented by Sir A. Smith.

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ANISODES ABSCONDITARIA.

Mas. *Pallide rufescente-cervina; palpi capitis latitudine non breviores, articulo 3o lineari; antennæ late pectinatæ; tibiæ posticæ calcaribus nullis; alæ amplæ, linea exteriore fuscescente denticulata diffusa indistincta, puncto discali albido nigricante-marginato, punctis submarginalibus et marginalibus nigris; anticæ acutæ, linea interiore subobsoleta.*

Male. Pale reddish fawn-colour, pale cinereous beneath. Palpi about as long as the breadth of the head; third joint linear, rather shorter and more slender than the second. Antennæ broadly pectinated; branches pubescent. Abdomen not extending beyond the hind wings. Legs smooth, slender; hind tibiæ without spurs. Wings ample; exterior line brownish, denticulated, diffuse, indistinct; submarginal points and marginal points black; discal point whitish, with a blackish border, much larger in the hind wings than in the fore wings. Fore wings acute, with a nearly obsolete interior line; costa and exterior border hardly convex, the latter slightly oblique. Length of the body 7 lines; of the wings 18 lines.

a. South Hindostan. Presented by M. J. Walhouse, Esq.

ANISODES INAPERTARIA.

Fœm. *Pallide ochracea; palpi porrecti, caput vix superantes, articulo 3o minimo; alæ elongatæ, nigro conspersæ, linea posteriore obliqua obscuriore subrecta extus pallido marginata, puncto discali nigro; anticæ acutæ, costa subconvexa.*

Female. Pale ochraceous, paler beneath. Palpi porrect, hardly extending beyond the head; third joint extremely minute. Legs slender; hind tibiæ with four moderately long spurs. Wings elongate, minutely black-speckled; exterior line oblique, nearly straight, a little darker than the ground hue, pale-bordered on the outer side; discal point black, minute, most distinct in the fore wings; exterior border convex. Fore wings acute; costa very slightly convex. Hind wings with the interior angle rather prominent. Length of the body $5\frac{1}{2}$ lines; of the wings 18 lines.

a. South Hindostan. Presented by M. J. Walhouse. Esq.

ANISODES PLURISTRIARIA.

Mas. *Testacea; palpi ascendentes, breves; antennæ pectinatæ, apice simplices; alæ ochraceo conspersæ, lineis ochraceis perobliquis subdenticulatis, linea fusca recta obliqua antice flexa et denticulata et nigro punctata, gutta discali nigra albo signata, punctis marginalibus nigricantibus; posticæ margine exteriore subdentato.*

Male. Testaceous, much paler beneath. Palpi ascending, short. Antennæ pectinated, except towards the tips. Abdomen with ochraceous bands. Wings ample, ochraceous-speckled, with some very oblique slightly denticulated ochraceous lines, and with a brown line, which is straight from near the base of the hind wings to the exterior disk of the fore wings, where it is bent forward and denticulated and marked with black points; discal point white, blackish-bordered. Fore wings slightly rounded at the tips; marginal points blackish; costa slightly convex. Hind wings with the exterior border slightly dentate; marginal festoon brown. Length of the body 7 lines; of the wings 20 lines.

a. Hindostan. Presented by Sir J. Hearsay.

ANISODES PLYNUSARIA.

Fœm. *Testacea; caput nigrum; alæ nigro conspersæ, puncto discali punctisque marginalibus nigris, lineis tribus denticu-*

latis pallide fuscis, 1a indistincta, 3a gracillima; anticæ vix falcata, litura subapicali nigricante.

Female. Testaceous. Head black. Wings minutely black-speckled; discal point and marginal points black; interior, exterior and submarginal lines pale brown, denticulated, darker beneath; interior line indistinct, obsolete beneath; submarginal line very slender. Fore wings acute, hardly falcate, with a blackish subapical mark; under side with a small brown discal streak. Length of the body 5 lines; of the wings 16 lines.

a. Silbet. From the Rev. J. Stainforth's collection.

ANISODES? PYRINIATA.

Fœm. *Pallide ochracea, sat robusta; palpi caput longe superantes, articulo 3o longo lineari; alæ lineis plurimis transversis subdenticulatis rufis, linea rufa obliqua bene determinata subtus nigra interrupta, annulo subtus rufo discali; anticæ acutæ, costa recta.*

Female. Pale ochraceous, rather stout. Palpi extending much beyond the head; third joint linear, shorter than the second. Wings with many slight transverse slightly denticulated red lines, and with a more distinct straight oblique red line, which extends from near the tips of the fore wings to nearly half the length of the interior border of the hind wings; this line is black and incomplete on the under side, where there is a red discal ringlet; exterior border convex. Fore wings acute; costa straight. Length of the body 4 lines; of the wings 12 lines.

a. Canara. Presented by the Secretary of the India Board.

ANISODES SIMILARIA.

Fœm. *Pallidissime cervina; palpi porrecti, gracillimi, capitis latitudine longiores; alæ elongatæ, lineis interiore et submarginali e punctis nigris, punctis marginalibus nigris; anticæ acutæ, puncto discali nigro; posticæ puncto discali albo.*

Female. Very pale fawn-colour, pale cinereous beneath. Palpi porrect, very slender, longer than the breadth of the head; third joint nearly as long as the second. Abdomen not extending beyond the hind wings. Legs smooth, slender; hind tibiæ with four long

spurs. Wings elongate, entire; interior and submarginal lines of black points; marginal points black; exterior border slightly convex. Fore wings acute, with a black discal point; costa almost straight. Hind wings with a white discal point. Length of the body 4 lines; of the wings 12 lines.

a. Hindostan. From Archdeacon Clerk's collection.

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ANISODES NEBULOSATA.

Fœm. *Flavescente-cinerea*; palpi graciles, porrecti, capitis latitudine non breviores; alæ latiusculæ, non longæ, fasciis tribus diffusis indistinctis pallide fusciscentibus, 3a valde interrupta nigro punctata, punctis marginalibus nigris; anticæ acutæ.

Female. Yellowish cinereous, paler beneath. Palpi slender, porrect, as long as the breadth of the head; third joint linear, much shorter than the second. Abdomen not extending beyond the hind wings. Legs smooth, slender; hind tibiæ with four long spurs. Wings rather broad, not long, with three indistinct diffuse irregular pale brownish bands; third band very incomplete, but marked by black points; marginal points black. Fore wings acute; costa straight; exterior border hardly convex, moderately oblique. Length of the body 4 lines; of the wings 12 lines.

a. Ceylon. Presented by Dr. Templeton.

ANISODES SUBROSEATA.

Fœm. *Cinereo-flavescens*; caput roseo fasciatum; palpi capitis latitudine breviores, articulo 3o lineari; alæ roseo conspersæ, latiusculæ, non longæ, lineis duabus fasciaque media roseis indistinctis, hac diffusa; anticæ acutæ; posticæ angulo interiore bene determinato.

Female. Cinereous-yellowish, paler beneath. Head with a rosy band. Palpi slender, porrect, shorter than the breadth of the head; third joint linear, full half the length of the second. Legs smooth, slender; hind tibiæ with four long spurs. Wings minutely rosy-speckled, rather broad, not long; interior and exterior lines and middle band rosy, indistinct, the latter also diffuse. Fore wings acute; costa straight; exterior border hardly convex, rather oblique. Hind wings with the interior angle prominent. Length of the body 4 lines; of the wings 12 lines.

a. Ceylon. Presented by Dr. Templeton.

ANISODES CALIGATA.

Fœm. *Ochraceo-cervina*; palpi capitis latitudine longiores, articulo 3o lineari; alæ vix elongatæ, lineis tribus e punctis nigris, punctis marginalibus nigris; anticæ acutæ; posticæ margine exteriori bene determinato.

Female. Ochraceous fawn-colour, paler beneath. Palpi porrect, slender, rather longer than the breadth of the head; third joint linear, as long as the second. Legs smooth, slender; hind tibiæ with four long spurs. Wings hardly elongate; interior, middle and exterior lines composed of black points; marginal points black. Fore wings acute; costa straight; exterior border slightly convex, very oblique. Hind wings not extending beyond the abdomen; interior angle prominent. Length of the body 5 lines; of the wings 14 lines.

a. Ceylon. Presented by Dr. Templeton.

ANISODES IGNORATA.

Fœm. *Rufescente-cervina*; caput antice rufum; palpi subflexi, capitis latitudine non breviores, articulo 3o lineari; alæ elongatæ, punctis marginalibus nigricantibus minimis; anticæ acutæ; posticæ abdomen superantes.

Female. Reddish fawn-colour, pale cinereous fawn-colour beneath. Head red in front. Palpi porrect, slightly bent, about as long as the breadth of the head; third joint linear, shorter than the second. Legs smooth, slender; hind tibiæ with four rather long spurs. Wings elongate, without any markings, except the blackish very minute marginal points. Fore wings acute; costa straight; exterior border convex, very oblique. Hind wings extending beyond the abdomen; interior angle prominent. Length of the body 5 lines; of the wings 16 lines.

a. Ceylon. Presented by Dr. Templeton.

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ANISODES IMMONSTRATA.

Fœm. *Pallide cinereo-ochracea*; caput rufo fasciatum; palpi oblique ascendentes, capitis latitudine longiores, articulo 3o lineari; alæ amplæ, rufescente conspersæ; anticæ acutæ, costa vix convexa; posticæ puncto discali albo.

Female. Pale cinereous-ochraceous, pale cinereous beneath. Head with a red band. Palpi slender, smooth, obliquely ascending, longer than the breadth of the head; third joint linear, much shorter than the second. Legs smooth, slender; hind tibiæ with four long spurs. Wings ample, thickly and minutely speckled with pale red. Fore wings acute; costa and exterior border hardly convex; the latter rather oblique; interior angle much rounded. Hind wings extending beyond the abdomen, with a white discal point; interior angle prominent. Length of the body 7 lines; of the wings 18 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

ANISODES CONTRACTATA.

Fœm. *Pallidissime testacea; palpi capitis latitudine non breviores, articulo 3o lineari; alæ rufo subconspersæ, punctis exterioribus et marginalibus nigricantibus; anticæ vix acutæ, puncto discali rufescente; posticæ annulo discali parvo fusco.*

Female. Very pale testaceous, more whitish beneath. Palpi slender, porrect, as long as the breadth of the head; third joint linear, as long as the second. Wings indistinctly speckled with pale red; exterior line composed of blackish points; marginal points blackish. Fore wings hardly acute; costa and exterior border very slightly convex, the latter very oblique; discal point reddish. Hind wings with a small brown discal ringlet. Length of the body 4 lines; of the wings 11 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

ANISODES BIFILATA.

Fœm. *Pallide rufescens; vertex albus; palpi subascendentes, articulo 3o lineari; alæ amplæ, conspersæ, subhyalinæ, lineis duabus albidis subangulatis subdenticulatis, puncto discali rufo; anticæ subacutæ.*

Female. Pale reddish, pale cinereous beneath. Vertex white. Palpi slightly ascending; third joint linear, not more than one-third of the length of the second. Wings ample, slightly hyaline, very minutely speckled; interior and exterior lines whitish, oblique, slightly denticulated and angular; discal point red. Fore wings slightly acute; costa almost straight; exterior border slightly convex, moderately oblique. Length of the body 6 lines; of the wings 18 lines.

a. ———? From Mr. Milne's collection.

ANISODES ALIENARIA.

Fœm. *Pallide flavescens; caput albidum, ochraceo fasciatum; palpi graciles, caput longe superantes, articulo 3o longo lineari; thorax antice rufescens; alæ amplæ, fasciis latis connexis indeterminatis ochraceis, punctis marginulibus nigricantibus; margine exteriori vix inciso; anticæ apice subrotundatæ.*

Female. Pale yellowish. Head whitish, with an ochraceous band. Palpi long, slender, extending much beyond the head; third joint linear, rather shorter and much more slender than the second. Thorax reddish in front. Legs slender, smooth. Wings ample, with broad very irregular and partly confluent ochraceous bands; marginal points blackish; exterior border slightly festooned; fringe full. Fore wings slightly rounded at the tips; costa straight; exterior border moderately oblique. Length of the body 6? lines; of the wings 16 lines.

a. ———? Presented by E. Doubleday, Esq.

ANISODES? PLATYCERATA.

Fœm. *Testacea; palpi subarcuati, subascendentes, articulo 3o conico; antennæ valde dilatatæ; alæ amplæ, fascia cinerea indistincta latissima valde abbreviata, lineis denticulatis obscurioribus indistinctis basalibus et submarginalibus, puncto discali nigricante; anticæ apice rotundatæ, costa margineque exteriori subconvexis.*

Female. Testaceous, paler beneath. Palpi slender, slightly curved and ascending, not rising so high as the vertex; third joint conical, not more than one-fourth of the length of the second. Antennæ much dilated. Legs smooth, slender. Wings ample, with an indistinct and very broad cinereous band, which is much abbreviated in the fore wings; some slight indistinct denticulated darker lines towards the base and towards the exterior border; discal point blackish. Fore wings rounded at the tips; costa and exterior border slightly convex, the latter very oblique. Length of the body 6 lines; of the wings 16 lines.

a. ———? Presented by E. Doubleday, Esq.

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HYRIA GAVISATA.

Fœm. *Læte flava, subtus rosea; palpi graciles, porrecti, caput perpaullo superantes; thorax rufo bimaculatus; abdomen rufo bivittatum; alæ lineis nonnullis rufis denticulatis, guttis duabus discalibus argenteis rufo marginatis; anticæ subacutæ, costa rufescente.*

Female. Bright yellow, mostly rosy beneath. Head red. Palpi slender, porrect, extending very little beyond the head. Thorax with a red spot on each side in front. Abdomen with two red stripes. Hind tibiæ with four long spurs. Wings with some red denticulated partly incomplete lines; two silvery red-bordered dots in each disk. Fore wings slightly acute; costa reddish, almost straight; exterior border convex, slightly oblique. Length of the body 3 lines; of the wings 10 lines.

Amazon Region. In Mr. Saunders' collection.

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CAMBOGIA ALBOPUNCTATA.

Mas. *Luteo-flava; caput nigro fasciatum et bipunctatum; antennæ setosæ; thorax fusco fasciatus; alæ lineis tribus undulatis indeterminatis fasciæque submarginali excavata fuscis, guttis marginalibus obscure fuscis; anticæ apice rotundatæ, costa fusca, punctis quatuor subcostalibus albis.*

Male. Luteous-yellow, paler beneath. Head with two black points and a black band in front. Antennæ setose. Thorax with a brown band in front. Hind tibiæ with four long spurs. Wings with three incomplete undulating brown lines and with a brown excavated submarginal band; marginal dots dark brown. Fore wings somewhat rounded at the tips; mostly brown along the costa, which is straight; four white points in the disk near the costa; exterior border convex, slightly oblique. Length of the body 3 lines; of the wings 7 lines.

Amazon Region. In Mr. Saunders' collection.

CAMBOGIA? ÆRIFERATA.

Fœm. Flava; palpi graciles, supra rufescentes, caput longe superantes; thorax antice chalybeo-rufescens; alæ lineis nonnullis e guttis chalybæis rufescente marginatis; anticæ vix acutæ, costa subconvexa; posticæ margine exteriori bis inciso.

Female. Yellow, whitish beneath. Palpi slender, reddish above, extending much beyond the head; third joint conical, very minute. Thorax in front reddish, chalybeous-tinged. Wings with several irregular lines composed of chalybeous reddish-bordered dots. Fore wings hardly acute; costa and exterior border slightly convex; the latter rather oblique; dots confluent along most of the costa. Hind wings with two broad shallow notches on the exterior border. Length of the body 5? lines; of the wings 12 lines.

a. ———?

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ASTHENA SUBPURPUREATA.

Fœm. Purpurascente-cinerea; caput anticum obscure fuscum; palpi graciles, brevissimi, caput non superantes; pedes gracillimi, longiusculi; alæ lineis nonnullis exterioribus parallelis denticulatis pallide cinereis, puncto discali nigricante; anticæ apice subrotundatæ, costa vix convexa.

Female. Purplish cinereous, paler beneath. Head dark brown in front. Palpi slender, very short, not extending beyond the head. Legs very slender, rather long. Wings with six or seven exterior parallel pale cinereous denticulated lines, and with slight indications of similar lines towards the base; discal point blackish. Fore wings slightly rounded at the tips; costa and exterior border hardly convex; the latter very oblique. Length of the body 4 lines; of the wings 12 lines.

a. Auckland, New Zealand. From Mr. Oxley's collection.

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ACIDALIA SERICEARIA.

a, b. Europe. From Dr. Herrich-Schæffer's collection.

ACIDALIA AUREOLARIA.

a—e. Europe. From Dr. Herrich-Schæffer's collection.

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ACIDALIA RUFULARIA.

a. Europe. From Dr. Herrich-Schæffer's collection.

ACIDALIA RUFARIA.

a—c. Europe. From Dr. Herrich-Schæffer's collection.

ACIDALIA ANTIQUARIA.

Acidalia antiquaria, *Herr.-Sch.*

a—d. Europe. From Dr. Herrich-Schæffer's collection.

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ACIDALIA MONILEATA.

a—d. Europe. From Dr. Herrich-Schæffer's collection.

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ACIDALIA CIRCUITARIA.

a. Europe. From Dr. Herrich-Schæffer's collection.

ACIDALIA MACILENTARIA.

Acidalia macilentaria, *Herr.-Sch.*

Acidalia antiquaria, *fœm.*?

Acidalia litigiosaria? *Herr.-Sch. Schm. Eur.* vi. 68.

Europe.

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ACIDALIA LÆVIGATA.

a—c. Europe. From Dr. Herrich-Schæffer's collection.

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ACIDALIA HERBARIATA.

a, b. Europe. From Dr. Herrich-Schæffer's collection.

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ACIDALIA INTERJECTARIA.

a—d. Europe. From Dr. Herrich-Schæffer's collection.

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ACIDALIA EFFLORATA.

a, b. Europe. From Dr. Herrich-Schæffer's collection.

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ACIDALIA SUBMUTATA.

a. Europe. From Dr. Herrich-Schæffer's collection.

ACIDALIA CONFINARIA.

a. Europe. From Dr. Herrich-Schæffer's collection.

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ACIDALIA BYSSINATA.

a—c. Europe. From Dr. Herrich-Schæffer's collection.

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ACIDALIA CARICARIA.

a, b. Europe. From Dr. Herrich-Schæffer's collection.

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ACIDALIA NEMORARIA.

a. Europe. From Dr. Herrich-Schæffer's collection.

ACIDALIA SUBPUNCTARIA.

a, b. Europe. From Dr. Herrich-Schæffer's collection.

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ACIDALIA FRIGARIA.

Acidalia Frigaria, Frivaldsky.

a, b. Europe. From Dr. Herrich-Schæffer's collection.

ACIDALIA OLIVARIA.

a. Europe. From Dr. Herrich-Schæffer's collection.

ACIDALIA BASSIARIA.

Ala albidæ; antica fusco ter bilineatæ.

Acidalia Bassiaria, *Feisthamel*, *Ann. Soc. Ent. Fr.* iv. 133, pl. 1, A f. 2.

Domo d'Ossolo, Piedmont.

ACIDALIA PRÆUSTARIA.

Acidalia præustaria, *Mann. Wien. Ent. Monat.* i. 155.

Fiume.

ACIDALIA SIMPLARIA.

Acidalia simplaria, *Frey. Neue Beit.* 594, 1, 2.

Acidalia commutata, *var.* ?

Europe.

ACIDALIA LURIDARIA.

Acidalia luridaria, *Zell. Isis*, 1847, 20. *Herr.-Sch. Eur. Schm.* 419.

Rhodes.

ACIDALIA LONGARIA.

Acidalia longaria, *Herr.-Sch. Eur. Schm.* vi. 66.

Europe.

ACIDALIA ACCESSARIA.

Acidalia accessaria, *Herr.-Sch.* vi. 64, f. 533.

Europe.

ACIDALIA SPURIARIA.

Acidalia spuriaria, *Stett. Ent. Zeitr.* xix. 312. *Moesch. Wien. Men.* 1860, 372, pl. 10, f. 6, 7.

Europe.

ACIDALIA DIFFLUATA.

Acidalia diffluata, *Herr.-Sch. Neue Schm.* 28, 138.

Europe.

ACIDALIA NITIDATA.

Acidalia nitidata, *Herr.-Sch. Neue Schm.* 142, 28.

Europe.

ACIDALIA NIGROBARBATA.

Mas. *Cinereo-lutescens; abdomen nigro-barbatum; alæ puncto medio limboque ubique chalybæo-nigris; anticæ margine antico usque ad medium strigisque tribus punctatis; posticæ strigis duabus.*

Acidalia nigrobarbata, Staud. Stett. Ent. Zeit. xx. 1859, 216.

Andalusia.

ACIDALIA CALUNETARIA.

Mas. *Albido-cinerea; pedes non unguiculati, postici tibiis longe penicillatis tarsis brevissimis; alæ strigis duabus obscuris, puncto discali nigro.*

Acidalia calunetaria, Staud. Ent. Zeit. Stett. xx. 1859, 217.

Andalusia.

ACIDALIA MISERATA.

Lutea; pedes non unguiculati, maris brevissimi tibiis inermibus pilosis; alæ fasciis duabus fuscis, 2a latissima; puncto discali nigro, punctis marginalibus fuscis; anticæ fascia 1a duplicata.

Acidalia miserata, Staud. Stett. Ent. Zeit. 1859, 217.

Granada.

ACIDALIA TEXTARIA.

Acidalia textaria, Led. Wien. Ent. Mon. v. 1861, 153, pl. 2, f. 3.

Antioch.

ACIDALIA ATLANTICA.

Dilute cinerea; alæ anticæ lineis tribus e punctis nigricantibus costam versus angulatis et latioribus, puncto discali nigro supra lineam mediam posito, punctis marginalibus nigris.

Acidalia atlantica, Staint. Ann. Nat. Hist. 3rd Ser. iii. 210.

Dezerta Grande, near Madeira.

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ACIDALIA SIMILARIA.

Mas. *Alba; caput, thorax et abdomen basi subtestacea; alæ lineis duabus testaceis punctularibus indeterminatis; anticæ basi testaceæ.*

Male. White. Head, thorax and base of abdomen somewhat testaceous. Wings speckled with testaceous, which hue forms two incomplete and very slight lines. Fore wings with the speckles more numerous than those of the hind wings; the base wholly testaceous. Length of the body 5 lines; of the wings 12 lines.

Canada. In Mr. D'Urban's collection.

ACIDALIA ANTICARIA.

Mas. *Testaceo-cinerea; caput albido fasciatum, antice nigrum; antennæ pubescentes; alæ nigro subconspersæ, puncto discali nigro, lineis tribus vix undulatis valde indistinctis, linea tenui nigricante, linea marginali nigra perangusta.*

Male. Testaceous-cinereous. Head black in front; vertex with a whitish band. Antennæ whitish, pubescent. Wings very minutely black-speckled, discal point black; three very indistinct hardly undulating lines, which are very little darker than the ground hue; a slight blackish line between the second and third lines; marginal line black, very slender, interrupted by the veins. Length of the body $3\frac{1}{2}$ lines; of the wings 9 lines.

Canada. In Mr. D'Urban's collection.

ACIDALIA JUNCTARIA.

Fœm. *Candida, caput antice nigrum; palpi brevissimi; thorax antice testaceus; alæ nigro subconspersæ, lineis duabus testaceis indistinctis obliquis.*

Female. Pure white. Head black in front. Palpi very short. Fore border of the thorax testaceous. Legs slightly testaceous-tinged. Wings very minutely black-speckled, with two indistinct oblique testaceous lines. Length of the body 4 lines; of the wings 11 lines.

Canada. In Mr. D'Urban's collection.

ACIDALIA FRIGIDARIA.

Acidalia frigidaria, Möschler, Wien. Ent. Monat. iv. 373, pl. 10, f. 1.
Labrador.

ACIDALIA SPURIARIA.

Aspilates spuriaria, Christoph. Stett. Ent. Zeit. xix. 312.

Acidalia spuriaria, Möschler, Wien. Ent. Monat. iv. 372, pl. 10, f. 6, 7.

Labrador.

ACIDALIA? ARCTICARIA.

Mas. *Sordide cinerea; caput antice obscurius; palpi frontem non superantes, articulo 3o brevissimo; antennæ pubescentes; alæ nigricante conspersæ, lineis quatuor obliquis diffusis vix undulatis punctoque discali fuscescentibus, punctis marginalibus nigris; anticæ acutæ.*

Male. Dingy cinereous. Head darker in front. Palpi porrect, rather slender, not extending beyond the front; third joint extremely short. Antennæ pubescent. Legs smooth. Wings moderately broad, very minutely blackish-speckled; marginal points black; four oblique diffuse hardly undulating brownish lines, of which the third or the exterior one is more conspicuous than the others; discal point brownish, diffuse. Fore wings acute; costa straight; exterior border very slightly convex, very oblique. Length of the body 4 lines; of the wings 12 lines.

a. Arctic Region. Presented by Sir J. Richardson.

ACIDALIA SUPPRESSARIA.

Mas. *Subcervino-cinerea; caput antice cervinum; antennæ læves; abdominis latera subfasciculata; tibiæ posticæ incrassatæ, quadricalcaratæ; alæ amplæ, fusco conspersæ, fasciis duabus fuscis punctatis valde diffusis, punctis marginalibus nigricantibus; anticæ vix acutæ, costa basi vix convexa.*

Male. Cinereous, slightly tinged with fawn-colour. Head fawn-colour in front. Palpi porrect, extending a little beyond the head; third joint extremely minute. Antennæ stout, smooth. Abdomen with small tufts along each side, not extending beyond the hind wings. Hind tibiæ incrassated, with four long spurs. Wings ample, minutely and transversely speckled with brown; some of the speckles forming two very diffuse bands, which are accompanied by some darker brown points; marginal points blackish, small. Fore wings hardly acute; costa very slightly convex towards the base;

exterior border convex, slightly oblique. Length of the body 6 lines ; of the wings 16 lines.

a. Nova Scotia. From Lieut. Redman's collection.

ACIDALIA ? FISSINOTATA.

Mas. *Viridescente-cinerea, subtus fuscescente-cinerea ; palpi brevissimi ; antennæ subserratæ, subsetulosæ ; tibiæ posticæ incrassatæ, calcaribus parvis ; alæ fusco conspersæ, punctis marginalibus nigris ; anticæ acutæ, lineis quatuor nigris interruptis ex parte dilatatis ; posticæ puncto discali nigro.*

Male. Greenish cinereous, brownish cinereous beneath. Palpi very short. Antennæ minutely serrate and setulose. Abdomen extending very little beyond the hind wings. Hind tibiæ incrassated ; spurs short. Wings moderately broad, minutely brown-speckled ; marginal points black. Fore wings acute, with four black irregular much interrupted partly dilated lines ; costa straight ; exterior border slightly convex, moderately oblique. Hind wings with a black discal point. Length of the body 5 lines ; of the wings 14 lines.

a, b. Trenton Falls, New York. Presented by E. Doubleday, Esq.

ACIDALIA QUADRANNULATA.

Fœm. *Alba ; palpi ascendentes, breves, articulo 3o minimo ; antennæ validæ ; alæ amplæ, fusco subconsersæ, lineis interiore et exteriori fuscis angustis denticulatis nigricante punctatis, lineis media et submarginali valde diffusis, annulo discali fusco, punctis marginalibus nigricantibus elongatis ; anticæ acutæ.*

Female. White. Palpi erect, applied to the head, not rising so high as the vertex ; third joint very minute. Antennæ stout. Legs smooth, slender ; hind tibiæ with four moderately long spurs. Wings ample, thinly and very minutely brown-speckled ; interior and exterior lines oblique, slender, brown, denticulated, accompanied by blackish points ; middle and submarginal lines very diffuse ; discal ringlet brown ; marginal points blackish, elongated. Fore wings acute ; exterior border slightly convex, very oblique. Length of the body 5 lines ; of the wings 14 lines.

a. New York.

ACIDALIA? SPARSARIA.

Mas. *Cinerea*; caput nigro fasciatum; palpi lanceolati, articulo 3o longi-conico; antennæ late pectinatæ; abdomen punctis dorsalibus nigris; tibiæ posticæ bicalcaratæ; alæ elongatæ, puncto discali lineisque nonnullis punctularibus nigris, fimbria nigro punctata; anticæ apice rotundatæ.

Male. Cinereous. Head with a black band in front. Palpi porrect, lanceolate, extending very little beyond the head; third joint elongate-conical, less than half the length of the second. Antennæ broadly pectinated. Abdomen with black dorsal points, extending a little beyond the hind wings. Hind tibiæ slender, with one pair of spurs. Wings elongate, with a black discal point and with four or five lines of black points, of these the interior lines are very incomplete; fringe with black points. Fore wings somewhat rounded at the tips; exterior border slightly convex, very oblique. Length of the body $4\frac{1}{2}$ lines; of the wings 15 lines.

a, b. East Florida. Presented by E. Doubleday, Esq.

ACIDALIA INVARIATA.

Fœm. *Subrufescente-cinerea*; vertex albus; alæ latiusculæ, rufescente conspersæ, lineis tribus denticulatis indistinctis rufescentibus, 3a fusco punctata, punctis marginalibus fuscis elongatis; anticæ acutæ.

Female. Cinereous, with a very slight reddish tinge. Vertex white. Wings rather broad, thickly reddish-speckled, with three oblique indistinct denticulated lines of the same hue; third line accompanied by brown points; marginal points brown, elongated. Fore wings acute; costa straight; exterior border slightly convex, rather oblique. Length of the body 4 lines; of the wings 10 lines.

a. East Florida. Presented by E. Doubleday, Esq.

ACIDALIA INCLUSARIA.

Mas et fœm. *Rufescens*; palpi brevissimi; antennæ maris pubescentes; alæ fascia flavescente latissima punctum nigrum includente, linea exteriori obscura denticulata; anticæ apice rotundatæ.

Male and female. Reddish. Palpi very short. Antennæ of the male very minutely pubescent. Wings with a very broad yel-

lowish band, which contains a black point, and is bordered on the outer side by a denticulated line, the latter somewhat darker than the ground hue; fringe long, full. Fore wings somewhat rounded at the tips; costa straight; exterior border convex, moderately oblique. Length of the body $2\frac{1}{2}$ —3 lines; of the wings 7 lines.

a, b. East Florida. Presented by E. Doubleday, Esq.

c. ——— ? From Mr. Milne's collection.

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ACIDALIA SEMIDECORA.

Fæm. *Albido-cinerea; caput album, antice nigricans; palpi brevissimi, gracillimi; alæ longæ, angustæ; anticæ subacutæ, spatio marginali subobscuriore, lineis interiore et exteriori flexis e punctis nigris, linea intermedia fusca dentata indistincta, linea submarginali albida angulosa, punctis marginalibus nigris.*

Female. Whitish cinereous. Head white, blackish in front. Palpi very short and slender, not extending beyond the head. Abdomen extending a little beyond the hind wings. Hind tibiæ with four long spurs. Wings long, narrow. Fore wings slightly acute, slightly darker towards the exterior border; interior and exterior lines bent, composed of black points, the latter terminating in a black costal streak; an intermediate indistinct dentate brown line, which also terminates in a black costal streak; submarginal line whitish, zigzag; marginal points black; costa straight; exterior border slightly convex, extremely oblique. Hind wings with a few markings like those of the fore wings. Length of the body 3 lines; of the wings 10 lines.

a, b. St. Domingo. From Mr. Tweedie's collection.

ACIDALIA? LUCINOTATA.

Fæm. *Obscure fusca, sat robusta; vertex albus; palpi graciles, brevissimi; tibiæ posticæ validæ; alæ elongatæ; anticæ apice rotundatæ.*

Female. Dark brown, rather stout, cinereous-brown beneath. Vertex and antennæ white. Palpi slender, very short, hardly extending beyond the head; third joint extremely minute. Abdomen not extending beyond the hind wings. Hind tibiæ rather stout, with four long spurs. Wings elongate. Fore wings rounded at the

tips; costa straight; exterior border slightly convex, extremely oblique. Length of the body 3 lines; of the wings 10 lines.

This species seems to be allied to *Erosia*.

a. St. Domingo. From Mr. Tweedie's collection.

ACIDALIA IMPARATA.

Fœm. *Testaceo-cinerea; palpi gracillimi, caput paullo superantes; alæ latiusculæ, linea submarginali albida undulata; anticæ subacutæ.*

Female. Testaceous-cinereous. Palpi porrect, very slender, extending a little beyond the head; third joint very much shorter than the second. Legs slender; hind tibiæ with four long spurs. Wings moderately broad; submarginal line whitish, undulating. Fore wings slightly acute; costa straight; exterior border slightly convex, rather oblique. Length of the body 3 lines; of the wings 10 lines.

a, b. Jamaica. From Mr. Gosse's collection.

ACIDALIA ? EXTERNATA.

Fœm. *Cinerea; caput et thorax anticus cervina; palpi cervini, ascendentes, recurvi, articulo 3o albo minimo; alæ angustæ, elongatæ; anticæ subacutæ, lineis interiore et exteriori punctis nigris, linea media recta spatioque marginali cervinis, hoc lineam submarginalem pallidam angulosam plagasque duas nigricantes includente, fimbria fusco punctata.*

Female. Cinereous. Head and fore part of the thorax fawn-colour. Palpi fawn-colour, ascending, recurved, not rising so high as the vertex; third joint white, conical, very minute. Abdomen extending a little beyond the hind wings. Wings narrow, elongate. Fore wings slightly acute; lines very oblique; interior and exterior lines composed of a few black points; middle line straight, fawn-coloured; marginal space fawn-coloured, intersected by the zigzag pale cinereous submarginal line, and including two blackish patches; fringe with brown points; exterior border straight, rather oblique. Hind wings without markings. Length of the body $3\frac{1}{2}$ lines; of the wings 9 lines.

This species does not properly belong to *Acidalia*, and the discovery of more specimens may afford sufficient characters for it as a new genus.

a. St. Domingo. From Mr. Tweedie's collection.

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ACIDALIA BOTYDARIA.

Fœm. *Testaceo-cinerea; caput antice fuscescens; palpi brevissimi; alæ elongatæ, sericeæ, tenues, lineis tribus fusciscentibus undulatis subdenticulatis, linea marginali obscure fusca, puncto discali nigro; anticæ acutæ.*

Female. Testaceous-cinereous. Head brownish in front. Palpi very short. Abdomen not extending beyond the hind wings. Legs smooth, slender. Wings elongate, silky, delicate, with three brownish undulating slightly denticulated lines; interior and exterior lines paler than the submarginal one; marginal line dark brown; discal point black. Fore wings acute; exterior border slightly convex, very oblique. Length of the body $2\frac{1}{2}$ lines; of the wings 7 lines.

a. Venezuela. From Mr. Dyson's collection.

ACIDALIA AMPLEXARIA.

Fœm. *Ochraceo-cervina; palpi brevissimi; alæ linea exteriore nigricante tenui dentata indistincta albido subpunctata, puncto discali punctisque marginalibus nigris; anticæ apice rotundatæ, linea interiore nigricante indistincta.*

Female. Ochraceous fawn-colour, paler beneath. Palpi extremely short, not extending beyond the front. Legs smooth, slender; spurs long. Wings with an exterior blackish slender indistinct dentate line, which is somewhat bent in the fore wings, and is slightly marked with whitish points; discal point and marginal points black, the latter very minute; fringe long, full; under side with a blackish marginal line. Fore wings somewhat rounded at the tips, with an interior indistinct blackish line; costa straight; exterior border slightly convex, rather oblique. Length of the body 4? lines; of the wings 14 lines.

a. Venezuela. From Mr. Dyson's collection.

ACIDALIA? CALIDATA.

Mas. *Cinereo-rosea; caput ferrugineum, vertice albido; palpi graciles, frontem vix superantes; antennæ pectinatæ, brevius-*

culæ; tibiæ posticæ graciles, quadricaratae; alæ lineis duabus e punctis nigris, punctis marginalibus rufis elongatis; anticæ acutæ, linea media diffusa subobsoleta.

Male. Cinereous-rosy, paler beneath. Head ferruginous; vertex whitish. Palpi porrect, slender, hardly extending beyond the front; third joint very minute. Antennæ rather short, moderately pectinated, except towards the tips. Abdomen not extending beyond the hind wings. Hind tibiæ slender, with four long spurs. Wings with the interior and exterior lines marked by black points; marginal points red, elongated. Fore wings acute; costa straight; exterior border slightly convex, very oblique; a diffuse and nearly obsolete middle line. Length of the body $3\frac{1}{2}$ lines; of the wings 10 lines.

Amazon Region. In Mr. Saunders' collection.

ACIDALIA TEPIDATA.

Mas. *Pallide lutea; palpi brevissimi, gracillimi; antennæ pubescentes; abdomen apice subcompressum; tibiæ posticæ incrassatæ, non calcaratæ; alæ elongatæ, roseo conspersæ, lineis quatuor roseis diffusis, linea marginali rosea, puncto discali albo; anticæ subacutæ.*

Male. Pale luteous, paler beneath. Palpi porrect, very short and slender. Antennæ pubescent. Abdomen slightly compressed and acuminate at the tip, not extending beyond the hind wings. Hind tibiæ incrassated, without spurs. Wings elongate, rosy-speckled, and with four oblique irregular and diffuse rosy lines; marginal line rosy; discal point white. Fore wings slightly acute; costa straight; exterior border slightly convex, very oblique. Length of the body 4 lines; of the wings 14 lines.

Rio Janeiro. In Mr. Fry's collection.

ACIDALIA INDIGNARIA.

Fœm. *Pallide testacea; vertex albus; alæ latiusculæ, pallide cinereæ, lineis plurimis testaceis denticulatis, angulo interiore bene determinato; anticæ acutæ; posticæ margine exteriori subangulato.*

Female. Pale testaceous, paler beneath. Vertex and antennæ white. Wings pale cinereous, rather broad, with numerous oblique testaceous denticulated lines; interior angle rather prominent. Fore

wings acute; costa straight; exterior border hardly convex, rather oblique. Hind wings with the exterior border slightly angular. Length of the body 3 lines; of the wings 10 lines.

Brazil. In Mr. Saunders' collection.

ACIDALIA? ÆQUATA.

Mas. *Ochracea, sat robusta; palpi capitis latitudine vix breviores, articulo 3o longi-conico; antennæ subpectinatæ; tibiæ posticæ quadricalcaratæ, non incrassatæ; alæ elongatæ, pallido subvariæ, nigro conspersæ, lineis duabus nigris interruptis, punctis marginalibus nigris elongatis, fimbria nigricante interlineata; anticæ apice rotundatæ, costa basi nigricante.*

Male. Ochraceous, rather stout. Palpi porrect, rather stout, nearly as long as the breadth of the head; third joint elongate-conical, less than half the length of the second. Antennæ slightly pectinated. Abdomen not extending beyond the hind wings. Legs smooth, rather stout; hind tibiæ with four long spurs. Wings elongate, indistinctly mottled with a paler hue, minutely speckled with black; interior and exterior lines black, very irregular and incomplete; marginal points black, elongated; fringe interlined with blackish. Fore wings rounded at the tips; costa blackish towards the base; exterior border convex, very oblique. Length of the body 3 lines; of the wings 8 lines.

a. Ega. From Mr. Bates' collection.

ACIDALIA? TIBURTIA.

Alba; alæ sat latæ, lineis nigris denticulatis subundulatis cervino submarginatis extus punctularibus; anticæ apice subrotundatæ, costa margineque exteriore subconvexis.

Phalæna-Geometra Tiburtia, *Cram. Pap. Exot.* iv. 134, pl. 359, f. F.

Surinam.

ACIDALIA? IGNIARIA.

Læte crocea; alæ elongatæ, strigis transversis lineaque obliqua subrecta obscurioribus; anticæ apice rotundatæ, margine exteriore subflexo; posticæ margine exteriore angulato.

Macrogonia igniaria, *Herr.-Sch. Exot. Schm.* pl. 57, f. 315.

Brazil.

ACIDALIA?? MELANEA.

Carneo-cinerea, robusta; alæ latæ, nigro subconspersæ, lineis interiore et exteriori e punctis nigris, 1a indeterminata, punctis marginalibus nigris; anticæ apice rotundatæ, linea media denticulata subarcuata.

Phalæna-Geometra Melanea, *Cram. Pap. Exot.* iv. 130, pl. 357, f. E.

Surinam.

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ACIDALIA MEGASPILATA.

Fœm. Pallide cinerea; palpi subrostriformes, articulo 3o minimo; alæ fusco nigroque conspersæ; anticæ vix acutæ, macula discali nigra, costa basi subconvexa; posticæ puncto discali nigro, margine exteriori vix dentato.

Female. Pale cinereous. Palpi porrect, subrostriform, much shorter than the breadth of the head; third joint very minute. Wings moderately broad, minutely brown and black-speckled. Fore wings hardly acute, with a black discal spot; costa slightly convex towards the base; exterior border hardly convex, rather oblique. Hind wings with a black discal point; exterior border very slightly festooned. Length of the body $3\frac{1}{2}$ lines; of the wings 10 lines.

Cape. In Mr. Saunders' collection.

ACIDALIA ILLITURATA.

Mas. Albido-cinerea; caput antice nigrum; antennæ pubescentes; tibiæ posticæ incrassatæ, penicillatæ, non calcaratæ; alæ latiusculæ, lineis tribus cinereis undulatis dentatis valde indistinctis, 3a nigricante varia nigro punctata, linea submarginali pallida angulosa, puncto discali punctisque marginalibus nigris; anticæ vix falcatæ, costa subconvexa, margine exteriori vix flexo; posticæ margine exteriori subangulato.

Male. Whitish-cinereous, with an indistinct buff tinge. Head black in front. Antennæ minutely pubescent. Abdomen hardly extending beyond the hind wings. Hind tibiæ incrassated, spurless, with a long penicillate plume in the furrow. Wings rather broad, with three very indistinct dentate undulating cinereous lines; exte-

rior line partly blackish, accompanied by some black points; sub-marginal line pale, zigzag; discal point and marginal points black, the former rather large. Fore wings acute, hardly falcate; costa slightly convex; exterior border hardly bent. Hind wings with the exterior border slightly angular. Length of the body $4\frac{1}{2}$ lines; of the wings 12 lines.

a. South Africa. From Mr. Trimen's collection.

ACIDALIA DENTIGERATA.

Mas. *Albido-cinerea, nigro conspersa; caput nigricante fasciatum; palpi oblique ascendentes, articulo 3o minimo; antennæ pubescentes; abdomen guttis dorsalibus nigricantibus; tibiæ posticæ incrassatæ, non calcaratæ; alæ elongatæ, lineis quatuor fuscis denticulatis, 4a valde interrupta, puncto discali punctisque marginalibus atris; anticæ acutæ.*

Male. Whitish-cinereous, minutely black-speckled. Head with a broad blackish band. Palpi obliquely ascending, not rising higher than the vertex; third joint very minute. Antennæ pubescent. Abdomen with dorsal blackish dots, not extending beyond the hind wings. Hind tibiæ incrassated, spurless. Wings elongate, with four oblique denticulated brown lines; first and second lines approaching each other in front, less concise than the third; fourth very incomplete; discal dot and marginal points deep black. Fore wings acute; costa straight; exterior border hardly convex, very oblique. Length of the body 5 lines; of the wings 14 lines.

Cape. In Mr. Saunders' collection.

ACIDALIA? DEMISSARIA.

Mas. *Testaceo-cinerea, caput antice fuscum; palpi capitis latitudine paullo longiores, articulo 3o lineari; antennæ late pectinatæ; tibiæ posticæ quadricarcatæ, non incrassatæ; alæ latiusculæ, lineis duabus e punctis nigris, punctis marginalibus nigris, litura discali fusca elongata; anticæ acutæ.*

Male. Testaceous-cinereous. Head brown in front. Palpi a little longer than the breadth of the head; third joint linear, shorter and more slender than the second. Antennæ broadly pectinated. Hind tibiæ slender, with four long spurs. Wings rather broad; interior and exterior lines composed of black points; marginal points black, very minute; discal mark brown, minute, elongated. Fore wings acute; costa and exterior border very slightly convex, the

latter very oblique. Length of the body 5? lines; of the wings 14 lines.

Cape. In Mr. Saunders' collection.

ACIDALIA INSTRUCTATA.

Mas. *Pallide testaceo-cinerea; caput antice nigrum; antennæ pubescentes; tibiæ posticæ subincrassatæ, non calcaratæ; alæ nigro conspersæ, lineis tribus denticulatis subrectis spatioque marginali obscurioribus, hoc lineam submarginalem pallidam angulosam includente, puncto discali punctisque marginalibus nigris; anticæ apice rotundatæ.*

Male. Pale testaceous-cinereous. Head black in front. Antennæ minutely pubescent. Hind tibiæ slightly incrassated, without spurs. Wings very minutely black-speckled; interior, middle and exterior lines darker, denticulated, nearly straight; marginal space darker, including the pale zigzag submarginal line; discal point and marginal points black; fringe long, full. Fore wings somewhat rounded at the tips; costa straight; exterior border convex, moderately oblique. Length of the body 4 lines; of the wings 12 lines.

a. South Africa. From Mr. Trimen's collection.

ACIDALIA DERASATA.

Mas. *Pallide cinerea, nigro conspersa; caput nigrum, vertice albo; antennæ setulosæ; tibiæ posticæ incrassatæ, non calcaratæ; alæ lineis duabus denticulatis pallide fuscescentibus valde indistinctis, linea submarginali angulosa pallida indeterminata, puncto discali punctisque marginalibus elongatis nigris; anticæ subacutæ.*

Male. Pale cinereous, very minutely black-speckled. Head black; vertex white. Antennæ minutely setulose. Hind tibiæ incrassated, without spurs. Wings moderately broad; interior and exterior lines pale brownish, denticulated, very indistinct; submarginal line zigzag, very indistinct, a little paler than the marginal space; discal point and marginal points black, the former rather large, the latter elongated. Fore wings slightly acute; costa straight; exterior border slightly convex, moderately oblique. Length of the body $3\frac{1}{2}$ lines; of the wings 10 lines.

a. South Africa. From Mr. Trimen's collection.

ACIDALIA INSCRIPTATA.

Fœm. *Alba*; *corpus fuscescens*; *caput nigro-fuscum*, *vertice albo*; *palpi brevissimi*; *abdominis segmenta albo fasciata*; *alæ fusco subconsersæ*, *lineis tribus denticulatis*, *1a 3aque obscure fuscis*, *2a pallidiore*, *gutta discali obscure fusca*, *lunulis marginalibus nigris*, *spatio marginali pallide fusco lineam submarginalem albam angulosam includentæ*; *anticæ apice subrotundatæ*.

Female. White. Body brownish. Head blackish brown; vertex white. Palpi very short. Abdomen with a white band on the hind border of each segment. Wings with a few dark brown speckles; interior and exterior lines dark brown, oblique, denticulated; middle line paler, also denticulated; marginal space pale brown, including the white zigzag submarginal line; discal dot dark brown; marginal lunules black. Fore wings slightly rounded at the tips; costa straight; exterior border slightly convex, very oblique. Length of the body 4 lines; of the wings 10 lines.

a. South Africa. From Mr. Trimen's collection.

ACIDALIA PULVEROSARIA.

Mas et fœm. *Pallide cinerea, sabulosa*; *caput nigricans, vertice pallido*; *palpi brevissimi*; *alæ latiusculæ, puncto discali punctisque marginalibus nigris minimis*; *anticæ subfalcatæ*.

Mas.—*Antennæ pubescentes*; *tibiæ posticæ valde incrassatæ, non calcaratæ*; *tarsi postici brevissimi*.

Male and female. Pale cinereous, pulverous. Head blackish, except the vertex. Palpi very short. Antennæ of the male pubescent. Hind tibiæ of the male much incrassated, without spurs, and with very short tarsi. Abdomen of the male extending a little beyond the hind wings. Wings rather broad; discal point and marginal points black, very minute; exterior border convex. Fore wings subfalcate; costa straight. Length of the body 4—4½ lines; of the wings 11—12 lines.

a, b. South Africa. Presented by Sir A. Smith.

ACIDALIA ? DENTISIGNATA.

Mas. *Ochracea*; *vertex albidus*; *palpi breves, graciles*; *antennæ pectinatæ*; *tibiæ posticæ incrassatæ, non calcaratæ*; *alæ rufescente consersæ, lineis tribus rufescentibus, 3a denticulata*,

striga discali lineaque marginali fuscis; anticæ apice rotundatæ.

Male. Ochraceous. Vertex whitish. Palpi short and slender. Antennæ moderately pectinated, except towards the tips. Hind tibiæ incrassated, without spurs. Wings moderately broad, thickly covered with minute reddish speckles, which are confluent towards the exterior border; three slight oblique reddish lines, of which the third one is distinctly denticulated; discal streak and marginal line brown. Fore wings rounded at the tips; exterior border slightly convex, rather oblique. Length of the body 5 lines; of the wings 14 lines.

a. Port Natal. From M. Becker's collection.

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ACIDALIA SUBDETERMINATA.

Mas. Cinereo-cervina; palpi brevissimi, gracillimi; antennæ setulosæ; abdomen fasciculo apicali radiato; tibiæ posticæ incrassatæ, non calcaratæ; alæ latiusculæ, fascia media lata purpurascens, puncto discali punctisque marginalibus fuscis; anticæ apice subrotundatæ.

Male. Cinereous fawn-colour, a little paler beneath. Palpi very short and slender, extending very little beyond the head; third joint conical, extremely minute. Antennæ minutely setulose. Abdomen with a radiating apical tuft, not extending beyond the hind wings. Hind tibiæ incrassated, without spurs. Wings rather broad, with a broad middle dull purplish band, whose borders are slightly undulating; discal point and marginal points brown; fringe long. Fore wings slightly rounded at the tips; costa and exterior border straight, the latter slightly oblique. Length of the body 5 lines; of the wings 14 lines.

a. South Hindostan. Presented by M. J. Walhouse, Esq.

ACIDALIA HUMERARIA.

Fœm. Albido-cinerea; caput atrum, vertice albo; alæ elongatæ, nigro conspersæ, lineis quatuor nigricantibus diffusis dentatis, 4a submarginali interrupta, puncto discali punctisque marginalibus nigris; anticæ apice rotundatæ, costæ dimidio basali nigricante.

Female. Whitish cinereous, dingy beneath. Head deep black; vertex white. Wings elongate, minutely black-speckled, with four blackish oblique diffuse dentate lines; third line a little more distinct than the others; fourth line submarginal, much interrupted; discal point and marginal points black; fringe long. Fore wings somewhat rounded at the tips; costa blackish along nearly half the length from the base; exterior border hardly convex, very oblique. Length of the body 3 lines; of the wings 9 lines.

Hindustan. In Mr. Saunders' collection.

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ACIDALIA SUBCANDIDATA.

Mas. Albida; caput nigrum, vertice albido; palpi pubescentes, oblique ascendentes, articulo 3o minimo; antennæ pubescentes; tibiæ posticæ valde incrassatæ, non calcaratæ; alæ amplæ, puncto discali punctisque marginalibus nigris; anticæ acutæ.

Male. Whitish. Head black; vertex whitish. Palpi obliquely ascending, pubescent, not rising so high as the vertex; third joint conical, very minute. Antennæ pubescent. Abdomen extending a little beyond the hind wings. Hind tibiæ much incrassated, without spurs. Wings ample, with a black discal point and black marginal points, the latter very minute. Fore wings acute; costa and exterior border hardly convex, the latter moderately oblique. Length of the body 6 lines; of the wings 16 lines.

a. Shanghai. From the Entomological Society's collection.

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ACIDALIA THERMOSARIA.

Mas. Rufescens; caput albido fasciatum; palpi subdecumbentes, capitis latitudine non breviores, articulo 3o lineari; antennæ late pectinatæ; tibiæ posticæ bicalcaratæ, non incrassatæ; alæ lineis quatuor punctularibus punctisque marginalibus nigris, punctis ex parte nigricante nebulosis; anticæ vix acutæ; posticæ puncto discali albo.

Male. Reddish, with a cinereous tinge beneath. Head with a transverse whitish line in front. Palpi smooth, slightly decumbent, as long as the breadth of the head; third joint linear, about half the length of the second. Antennæ broadly pectinated, except

towards the tips. Abdomen not extending beyond the hind wings. Legs smooth, slender; hind tibiæ with two long apical spurs. Wings with four irregular lines of black points; marginal points black. Fore wings hardly acute; a few of the points clouded with blackish; costa and exterior border slightly convex, the latter rather oblique. Hind wings with a white discal point; most of the black points clouded with blackish. Length of the body $4\frac{1}{2}$ lines; of the wings 13 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

ACIDALIA ? VACILLATA.

Mas. *Rufescente-cinerea, sat valida; abdominis fasciculus apicalis minimus; tibiæ posticæ dense fimbriatæ; alæ elongatæ, pallide cinereæ; anticæ apice rotundatæ, fasciis duabus latis rufescente conspersis, 1a antice abbreviata, 2a marginali; posticæ roseo conspersæ.*

Male. Reddish cinereous, rather stout. Abdomen not extending beyond the hind wings; apical tuft very small. Hind tibiæ thickly fringed with long hairs. Wings pale cinereous, elongated. Fore wings rounded at the tips, with two broad bands of reddish speckles; first band abbreviated in front; second marginal; costa straight; exterior border convex, very oblique. Hind wings rosy-speckled. Length of the body 3 lines; of the wings 9 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

ACIDALIA EPHYRATA.

Fœm. *Pallide flavescente-cinerea; subtus roseo tincta; caput antice ochraceum; palpi graciles, breves, articulo 3o minimo; alæ latiusculæ, rufescente conspersæ, gutta discali punctisque marginalibus rufescentibus.*

Female. Pale yellowish cinereous; under side with a rosy tinge. Head somewhat ochraceous in front. Palpi porrect, slender, extending very little beyond the head; third joint extremely minute. Hind tibiæ with four long spurs. Wings rather broad, thickly but very indistinctly speckled with pale red; discal dot and marginal points reddish. Fore wings acute; costa straight; exterior border very slightly convex, moderately oblique. Hind wings extending beyond the abdomen. Length of the body $3-3\frac{1}{2}$ lines; of the wings 10—11 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

ACIDALIA?? ZANCLOPTERATA.

Fœm. Alba, gracilis; caput antice nigricans; palpi gracilis, caput sat superantes; pedes longissimi, gracillimi, tibiis posticis bicalcaratis; alæ semihyalinæ, linea submarginali pallide testacea valde indistincta, punctis marginalibus nigris; anticæ subfalcata, gutta discali nigra; posticæ gutta discali pallide testacea.

Female. White, slender. Head blackish in front. Palpi slender, extending rather beyond the head, but shorter than its breadth; third joint much shorter than the second. Abdomen not extending beyond the hind wings. Legs very long and slender; hind tibiæ with two short apical spurs. Wings semihyaline, with a very indistinct pale testaceous submarginal line; marginal points black. Fore wings subfalcate, very acute; discal dot black; costa straight; exterior border slightly convex, very oblique. Hind wings with a pale testaceous discal dot. Length of the body 3 lines; of the wings 9 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

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ACIDALIA? SCHISTACEARIA.

Mas. Schistacea; palpi brevissimi; antennæ breves, latissime pectinata; pedes sat breves; tibiæ posticæ dilatata, calcaribus longis; alæ punctis marginalibus nigricantibus elongatis; anticæ elongatæ, apice subrotundatæ; posticæ subtus gutta discali punctisque exterioribus nigris.

Male. Slate-colour, a little paler beneath. Frontal tuft prominent. Palpi very short. Antennæ short, very broadly pectinated, except towards the tips. Abdomen not extending beyond the hind wings. Legs smooth, rather short; hind tibiæ dilated, except at the base; spurs long. Wings thickly clothed, with elongated blackish marginal points. Fore wings elongate, slightly rounded at the tips; costa straight; exterior border hardly convex, rather oblique. Hind wings beneath with a black discal dot and an exterior line of black points. Length of the body 4 lines; of the wings 12 lines.

a. Australia. From Mr. Damel's collection.

ACIDALIA COSTARIA.

Fœm. *Schistaceo-cinerea*; *caput atrum, vertice albido; alæ fuscescente subconspersæ, linea marginali fusca interruptu; anticæ acutæ, costa albida.*

Female. Slaty cinereous. Head deep black; vertex whitish. Wings very minutely and indistinctly brownish-speckled; marginal line brown, interrupted by the veins; fringe long, full, with a slight rosy tinge. Fore wings acute; costa whitish, except towards the tip; exterior border hardly convex, rather oblique. Length of the body $2\frac{1}{2}$ lines; of the wings 8 lines.

a. Moreton Bay. From Mr. Diggles' collection.

ACIDALIA PRIMARIA.

Mas. *Subcervino-cinerea*; *palpi validi, pilosi, breves, articulo 3o minimo; antennæ appressæ; tibiæ posticæ incrassatæ, quadricarcatæ; alæ amplæ, lineis duabus rectis punctularibus punctoque discali nigris; anticæ acutæ, spatio marginali fuscescente subnebuloso.*

Male. Cinereous, with a slight tinge of fawn-colour. Head fawn-colour; frontal tuft prominent. Palpi porrect, stout, pilose, extending very little beyond the head; third joint extremely minute. Antennæ smooth, flattened. Abdomen hardly extending beyond the hind wings; apical tuft small, elongated. Hind tibiæ incrassated, with four short spurs. Wings ample, with two straight oblique lines of black points; first line composed of very few points; discal point black. Fore wings acute; marginal space slightly and incompletely shaded with brownish; costa straight; exterior border slightly convex, rather oblique. Length of the body 7 lines; of the wings 16 lines.

a. Australia. From Mr. Milne's collection.

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ACIDALIA SUBTENTARIA.

Fœm. *Alba*; *caput fuscum; alæ elongatæ, amplæ, linea exteriori e punctis fuscis; anticæ acutæ, costa vix convexa; posticæ lineis duabus cinereis subobsoletis apud marginem interiorem.*

Female. Head brown. Hind tibiæ with the apical spurs not more than half the length of the first pair. Wings elongate, ample,

with an exterior oblique line of brown points on the veins. Fore wings acute; costa hardly convex; exterior border straight, rather oblique. Hind wings extending beyond the abdomen, with two almost obsolete cinereous lines near the exterior border. Length of the body 5 lines; of the wings 16 lines.

a. New Zealand. Presented by Dr. Sinclair.

ACIDALIA ABSCONDITARIA.

Fœm. Alba; caput et thorax anticus cervina; alæ elongatæ, amplæ; anticæ acutæ, margine exteriore perobliquo; posticæ lineis tribus cinereis rectis denticulatis indistinctis.

Female. White. Head and fore border of the thorax fawn-colour, testaceous beneath. Hind tibiæ with four long spurs. Wings elongate, ample. Fore wings acute; costa and exterior border almost straight, the latter very oblique. Hind wings extending beyond the abdomen, with three indistinct denticulated straight cinereous lines, which are nearly parallel to each other. Length of the body 5 lines; of the wings 20 lines.

a. New Zealand. Presented by Dr. Sinclair.

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ACIDALIA IMMONSTRATA.

Mas. Testaceo-cinerea; caput antice nigricans; palpi validi, caput non superantes; antennæ pubescentes; tibiæ posticæ incrassatæ, non calcaratæ; alæ amplæ, lineis tribus obscurioribus subrectis subparallelis valde indistinctis, 3a nigricante punctata, gutta discali punctisque marginalibus nigris.

Male. Testaceous-cinereous. Head blackish in front. Palpi porrect, stout, not extending beyond the head; third joint extremely short. Antennæ pubescent, rather stout. Abdomen not extending beyond the hind wings. Hind tibiæ incrassated, spurless. Wings ample, with three oblique very indistinct nearly straight and parallel darker lines; third line accompanied by blackish points; discal dot and marginal points black. Fore wings slightly acute; costa hardly convex; exterior border slightly convex, very oblique. Length of the body 6 lines; of the wings 16 lines.

a. ———? Presented by E. Doubleday, Esq.

ACIDALIA? PALLICINCTARIA.

Fæm. Cinereo-rosea; corpus fuscescente-cinereum; vertex albus; palpi brevissimi, gracillimi; antennæ pectinatæ; alæ latiusculæ, lineis exterioribus flavis denticulatis, linea marginali flavescente intus roseo marginata; anticæ acutæ; posticæ margine exteriori flexo.

Female. Cinereous-rosy, cinereous beneath. Body brownish cinereous. Vertex white. Palpi very short and slender, slightly curved upward; third joint extremely minute. Antennæ moderately pectinated. Hind tibiæ not incrassated. Wings rather broad, with two or three exterior yellow denticulated lines; marginal line yellowish, bordered with bright rosy on the inner side. Fore wings acute; costa and exterior border very slightly convex, the latter moderately oblique. Hind wings extending beyond the abdomen; exterior border forming a slight rounded angle in the middle. Length of the body 4 lines; of the wings 12 lines.

a. ———? Presented by E. Doubleday, Esq.

ACIDALIA APERTARIA.

Mas. Albido-cinerea, nigro conspersa; caput atrum; vertex albus; antennæ setulosæ; pedes postici breves, tibiis incrassatis non calcaratis; alæ amplæ, lineis quatuor cinereis angulosis subobsoletis, gutta discali punctisque marginalibus atris; anticæ apice rotundatæ.

Male. Whitish cinereous, minutely black-speckled. Head and fore border of the thorax deep black; vertex white. Antennæ very minutely setulose. Abdomen not extending beyond the hind wings. Legs smooth, slender, long; hind legs short, with incrassated spurless tibiæ. Wings ample, with four cinereous zigzag oblique nearly obsolete lines; discal dot and elongated marginal points deep black. Fore wings somewhat rounded at the tips; costa and exterior border hardly convex, the latter very oblique. Length of the body 5 lines; of the wings 14 lines.

a. ———?

ACIDALIA?? TEPHRINARIA.

Fœm. *Cinerea*; *caput antice nigricans*; *palpi brevissimi*; *antennæ subpectinatæ*; *tibiæ posticæ incrassatæ*; *alæ elongatæ, fusco conspersæ, lineis fuscis indistinctis subundulatis nigricante punctatis, puncto discali nigricante*; *anticæ subacutæ*.

Female. Cinereous, not paler beneath. Head blackish in front. Palpi very short. Antennæ slightly pectinated. Abdomen not extending beyond the hind wings. Hind tibiæ incrassated. Wings elongated, minutely brown-speckled, with a few brown oblique indistinct slightly undulating lines, which are marked with some blackish points; discal point blackish. Fore wings slightly acute; costa and exterior border nearly straight, the latter very oblique. Length of the body 4 lines; of the wings 14 lines.

a. ———? From Mr. Milne's collection.

ACIDALIA? INSECUTATA.

Fœm. *Pallide rufescens*; *vertex albus*; *tibiæ posticæ calcaribus quatuor parvis approximatis*; *alæ latiusculæ, lineis duabus albidis indistinctis subdenticulatis*; *anticæ acutæ, costa subconvexa*; *posticæ margine exteriori angulato*.

Female. Pale reddish, mostly pale cinereous beneath. Antennæ towards the base and vertex white. Hind tibiæ with four short approximate spurs. Wings rather broad; interior and exterior lines whitish, indistinct, oblique, slightly denticulated. Fore wings acute; costa and exterior border slightly convex, the latter rather oblique. Hind wings extending beyond the abdomen; exterior border distinctly angular. Length of the body 4 lines; of the wings 12 lines.

a. ———?

ACIDALIA? ATROFRONTATA.

Mas. *Flavescente-albida*; *caput atrum*; *vertex albus*; *palpi breves, graciles, fimbriati*; *antennæ subpectinatæ*; *tibiæ posticæ subincrassatæ, quadricarcatæ*; *alæ anticæ acutæ, lineis duabus diffusis flavescentibus fusco strigatis*; *posticæ abdomen superantes*.

Male. Whitish, with a slight yellowish tinge. Head deep black; vertex white. Palpi porrect, white, slender, fringed, ex-

tending a little beyond the head; third joint very minute. Antennæ slightly pectinated. Abdomen with a very small slightly compressed apical tuft. Hind tibiæ slightly incrassated, with four short spurs. Fore wings acute, with two diffuse yellowish lines, which are most remote from each other on the costa, and are accompanied (the exterior one especially) with minute brown streaks on the veins; costa straight; exterior border slightly convex, moderately oblique. Hind wings extending beyond the abdomen; interior angle prominent. Length of the body 5 lines; of the wings 14 lines.

a. ———?

ACIDALIA? AMPLISSIMATA.

Fœm. *Albida; caput fusco bifasciatum; pedes longi, graciles; alæ patulæ, non conspersæ, lineis exteriori et submarginali pallidissime cervinis; anticæ vix acutæ, linea interiore arcuata, puncto discali fusco, costa subconvexa fuscescente conspersa; posticæ abdomen longe superantes.*

Female. Whitish. Head with a brown band between the antennæ, and with a transverse brown line in front. Legs long, smooth, slender; hind tibiæ with four long spurs. Wings very ample, not speckled; exterior and submarginal lines oblique, very pale fawn-colour; exterior line straight; submarginal line nearly straight, more slight than the exterior line. Fore wings hardly acute, with a curved very slight interior line; discal point brown; costa speckled with pale brown, slightly convex; exterior border slightly convex, moderately oblique. Hind wings extending much beyond the abdomen. Length of the body 7 lines; of the wings 20 lines.

a. ———? From Mr. Milne's collection.

ACIDALIA TREMULARIA.

Fœm. *Rufescens; caput fuscum; palpi graciles, acuti, caput vix superantes; alæ lineis tribus flavescentibus vagis, linea submarginali fere obsoleta; anticæ subacutæ; posticæ angulo interiore bene determinato.*

Female. Reddish, reddish cinereous beneath. Head brown. Palpi porrect, slender, acute, hardly extending beyond the head. Wings moderately broad, with three yellowish meandering lines, of which the third is more distinct than the others; some slight traces of a submarginal line. Fore wings slightly acute; exterior border hardly convex, moderately oblique. Hind wings with the interior

angle rather prominent. Length of the body 3 lines; of the wings 9 lines.

a, b. ———? From Mr. Milne's collection.

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TIMANDRA? SORDIDARIA.

Mas. *Pallide testaceo-cinerea; caput fuscum, vertice albo; antennæ læves, compressæ; alæ amplæ, fusco conspersæ, linea exterior recta pallide fusca, linea adhuc exterior subarcuata e punctis fuscis; anticæ falcata, costa vix convexa; posticæ margine exterior angulato.*

Male. Pale testaceous-cinereous. Head brown; vertex white. Palpi very short, not extending beyond the head; third joint conical, extremely minute. Antennæ stout, smooth, compressed. Legs smooth, slender. Wings ample, minutely speckled with pale brown; exterior line pale brown, straight, extending from the tips of the fore wings to half the length of the interior border of the hind wings; a slightly curved more exterior line of brown points, which is much nearer the first line in the fore wings than in the hind wings; under side more speckled. Fore wings acute, falcate; costa hardly convex; exterior border straight, very oblique. Hind wings with the exterior border acutely angular in the middle. Length of the body 7 lines; of the wings 20 lines.

The antennæ of the male of this species are not pectinated, and therefore it can hardly be considered as a *Timandra*.

a. North China. From Mr. Fortune's collection.

TIMANDRA COMPTARIA.

Mas. *Testaceo-cinerea; caput antice fuscum; alæ fusco conspersæ, linea exterior recta rosea, linea adhuc exterior fusca undulata, linea marginali fusca tenuissima; posticæ marginis exterioris angulo acuto.* Var.? Fœm.—*Caput antice ferrugineum; alæ linea fusca recta sat lata.*

Male. Testaceous-cinereous. Head dark brown in front. Wings minutely brown-speckled, with a straight rosy line; submarginal line brown, slender, undulating, connected with the rosy line towards the tips of the fore wings; marginal line brown, very slender; under side more largely speckled. Hind wings acutely angular. Var.? *Female.*—Head ferruginous in front. Wings with a brown

rather broad straight line. Length of the body 5 lines; of the wings 12—13 lines.

a. China. Presented by G. T. Laye, Esq.

b. Hindostan. Presented by the Secretary of the India Board.

TIMANDRA ? DIATOMATA.

Mas. *Pallide cinereo-rufescens*; palpi ascendentes, verticem paullo superantes, articulo 3o conico; antennæ pectinatæ; alæ linea obliqua subrecta pallide cinerea; anticæ acutæ, puncto subapicali nigro; posticæ margine exteriori angulato.

Male. Pale cinereous-reddish, pale cinereous beneath. Palpi erect, rising a little higher than the vertex; third joint conical, not more than one-fourth of the length of the second. Antennæ pectinated. Abdomen not extending beyond the hind wings. Legs smooth; hind tibiæ with four moderately long spurs. Wings with a pale cinereous nearly straight line, which extends from four-fifths of the length of the costa of the fore wings to a little before the middle of the interior border of the hind wings; fringe a little darker than the ground hue. Fore wings acute, with a black subapical point; exterior border hardly convex, very oblique. Hind wings with the exterior border distinctly angular. Length of the body 5 lines; of the wings 13 lines.

Hindostan. In Mr. Saunders' collection.

TIMANDRA SEMICOMPLETA.

Fœm. *Pallide testaceo-cinerea*; palpi graciles, ascendentes, verticem superantes, articulo 3o lanceolato; alæ non conspersæ, linea ochracea recta obliqua extus albido marginata antice abbreviata; anticæ peracutæ; posticæ abdomen superantes, margine exteriori angulato.

Female. Pale testaceous-cinereous, paler beneath. Palpi slender, smooth, erect, rising higher than the vertex; third joint lanceolate, much shorter than the second. Legs smooth, slender. Wings moderately broad, not speckled, with a slender straight ochraceous line, which is whitish-bordered on the outer side, and extends from a little beyond the middle of the interior border of the hind wings towards the tip of the costa of the fore wings, where it is abbreviated. Fore wings very acute; costa and exterior border straight, the latter very oblique. Hind wings extending beyond

the abdomen; exterior border forming an acute angle in the middle. Length of the body 4 lines; of the wings 12 lines.

a. Hindostan. From Archdeacon Clerk's collection.

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TIMANDRA AVENTIARIA.

h. Silhet. From the Rev. J. Stainforth's collection.

i. Ceylon. Presented by Dr. Templeton.

j. Hindostan. From Archdeacon Clerk's collection.

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RHODOSTROPHIA SUCCESSARIA.

Mas et fœm. *Pallide lutea; palpi porrecti, brevissimi, gracillimi; alæ subconspersæ, fasciis duabus margineque exteriore purpurascente-roseis; anticæ acutæ, litura discali purpurascente-rosea sat magna.*

Male and female. Pale luteous. Palpi porrect, very short and slender, hardly extending beyond the head. Wings slightly speckled, with two bands and the exterior border purplish rosy. Fore wings acute; the two bands more or less confluent; discal mark purplish rosy, rather large. *Male.*—Antennæ minutely pubescent. Length of the body 4 lines; of the wings 11—12 lines.

Canada. In Mr. D'Urban's collection.

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The following species hardly belongs to the genus *Argyris*, but the specimen here described does not afford sufficient characters for the establishment of a new genus.

ARGYRIS? MYSTICATA.

Alba; pedes breves; tibiæ posticæ calcaribus quatuor parvis; alæ amplæ, fascia informi subobliqua pallide ochracea; anticæ vix acutæ, litura antica ramosa argentea, lineolis duabus posticis albidis; posticæ strigis tribus argenteis, plaga apud marginem exteriorem posticum flavescente guttas tres nigras includente, plaga apud angulum interiorem fuscescente.

White. Legs short, smooth, slender; hind tibiæ with four short spurs. Wings ample, with an irregular slightly oblique pale ochraceous band, which extends from much beyond the middle of the anterior disk of the fore wings to near the end of the interior border of the hind wings, whence it is continued along the interior border towards the base. Fore wings hardly acute; the band including a ramose silvery mark in front and two whitish lines hindward; costa and exterior border hardly convex. Hind wings with a yellowish patch, extending along the hind part of the exterior border, and containing three black dots; a pale brownish patch about the interior angle; three separate silvery streaks on the band. Length of the body 8? lines; of the wings 20 lines.

a. North Hindostan. Presented by the Secretary of the India Board.

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ZANCLOPTERYX ACULEATARIA.

Var. ♀ Female. White, slender. Palpi slender, porrect, a little shorter than the breadth of the head; third joint lanceolate, much shorter than the second. Antennæ very slender. Abdomen not extending beyond the hind wings. Legs long, very slender; hind tibiæ with two very short apical spurs. Wings delicate, shining, slightly hyaline. Fore wings elongate, acute; costa and exterior border straight, the latter very oblique. Hind wings with the interior angle prominent. Length of the body $4\frac{1}{2}$ —5 lines; of the wings 13—14 lines.

a. Jamaica. From Mr. Gosse's collection.

b. Brazil. From Mr. Argent's collection.

ZANCLOPTERYX SAPONARIA.

d. Mysol. From Mr. Wallace's collection.

ZANCLOPTERYX PURGATA.

Fœm. Alba, nitens; alæ latæ, subopalinæ, lituris nullis; anticæ acutæ; posticæ abdomen longe superantes.

Female. White, shining. Proboscis short. Palpi slender, very short, not extending beyond the front. Legs smooth, slender; hind tibiæ with four long spurs. Wings broad, not long, slightly pearly, without any markings. Fore wings acute; costa straight;

exterior border hardly convex, moderately oblique. Hind wings extending much beyond the abdomen. Length of the body 4 lines; of the wings 12 lines.

a. Venezuela. From Mr. Dyson's collection.

ZANCLOPTERYX TRIBUTARIA.

Alba; caput antice fuscum; antennæ sat validæ; alæ opalinæ, latæ; antice apice subrectangulatæ, puncto discali punctisque marginalibus nigris, costa subtilus testaceo.

White. Head brown in front. Antennæ smooth, rather stout. Legs smooth, slender; hind tibiæ with four long spurs. Wings pearly, broad, not long; fringe long, full. Fore wings nearly rectangular at the tips; discal point and marginal points black; costa almost straight, testaceous on the under side; exterior border slightly convex and oblique. Hind wings with the interior angle prominent. Length of the body 6? lines; of the wings 15 lines.

a. Bogota. From Mr. Stevens' collection.

ZANCLOPTERYX MELAGONATA.

Mas. *Alba*, gracillima; antennæ setulosæ; pedes longissimi; tibiæ posticæ dilatatæ, sulcatæ, penicillatæ, calcaribus nullis; alæ tenuissimæ, lineis pallide testaceis valde indistinctis, gutta discali trigona punctisque marginalibus nigris; antice acutæ.

Male. White, very slender. Palpi slender, extending a little beyond the head. Antennæ minutely setulose. Abdomen long, acuminate, hardly extending beyond the hind wings. Legs very long and slender; hind tibiæ dilated, without spurs, furrowed and with a penicillate plume beneath. Wings very delicate, with three or four very indistinct pale testaceous lines and with a black triangular discal dot; marginal points black. Fore wings acute; costa and exterior border almost straight, the latter very oblique. Length of the body 6 lines; of the wings 16 lines.

a. Ceram. Presented by F. Moore, Esq.

ZANCLOPTERYX PERMENSATA.

Mas. *Alba*, nitens, gracillima; antennæ pubescentes; pedes longissimi, gracillimi; tibiæ posticæ incrassatæ, sulcatæ, penicillatæ, non calcaratæ; alæ subhyalinæ, linea exteriori e punctis fuscis, linea submarginali pallide fusca, puncto discali fusco, punctis marginalibus nigris; antice acutæ.

Male. White, shining, very slender. Antennæ pubescent. Abdomen hardly extending beyond the hind wings. Legs very long and slender; hind tibiæ much incrassated, without spurs, furrowed and plumed beneath. Wings slightly hyaline, with an exterior line of brown points; submarginal line continuous, paler and less distinct; discal point brown; marginal points black. Fore wings acute; costa straight; exterior border hardly convex, very oblique. Length of the body $5\frac{1}{2}$ lines; of the wings 12 lines.

a. Australia. From Mr. Hunter's collection.

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Genus AUZATA.

Fœm. Corpus sat gracile. Proboscis mediocris. Palpi læves, breves, graciles, oblique ascendentes, articulo 3o minimo. Antennæ læves, subappressæ. Pedes læves; tibiæ posticæ calcaribus quatuor breviusculis. Alæ amplæ, tenues; anticæ acutæ, costa vix convexa, margine exteriore vix flexo; posticæ margine exteriore postico dentato.

Female. Body rather slender. Proboscis moderately long. Palpi smooth, slender, obliquely ascending, not rising so high as the vertex; third joint very minute. Antennæ smooth, slightly flattened. Legs smooth, moderately long; hind tibiæ with four rather short spurs. Wings ample, delicate. Fore wings acute; costa very slightly convex; exterior border hardly bent in the middle, rather oblique. Hind wings with the exterior border largely dentate hindward.

AUZATA SEMIPAVONARIA.

Fœm. Albida; alæ subhyalinæ, lineis duabus duplicatis cinereis indistinctis vix undulatis, linea submarginali cinerea lata indistincta subinterrupta, linea marginali e lunulis obscurioribus; anticæ macula discali cinerea magna ocellum cæruleo nigrum includente; posticæ punctis submarginalibus elongatis nigricantibus.

Female. Whitish. Wings very slightly hyaline; interior and exterior lines double, cinereous, indistinct, hardly undulating; submarginal line broad, cinereous, indistinct, slightly interrupted by the veins, obsolete towards the costa of the fore wings; marginal lines composed of lunules, a little darker than the other lines. Fore wings with a large cinereous discal spot, which is attenuated hind-

ward, where it contains a black and blue ocellus. Hind wings with elongated blackish points on the veins beyond the exterior line. Length of the body 6 lines; of the wings 20 lines.

a. Hindostan. Presented by Sir John Hearsay.

Genus BERTA.

Mas. Corpus gracile. Proboscis brevis. Palpi graciles, porrecti, caput paullo superantes, articulo 3o lineari. Antennæ dimidio basali pectinatæ. Pedes læves, graciles; tibiæ posticæ quadricaratae. Alæ breviusculæ; anticæ apice subrotundatæ, costa vix convexa; posticæ latæ, margine exteriori subinciso bidentato. *Fœm.*—Palpi caput longe superantes; articulus 3us 2o non brevior. Antennæ glabræ.

Male. Body slender. Proboscis short. Palpi slender, porrect, extending a little beyond the head; third joint linear, less than half the length of the second. Antennæ pectinated along full half the length. Legs smooth, slender; hind tibiæ with four long spurs. Wings rather short. Fore wings slightly rounded at the tips; costa and exterior border very slightly convex, the latter moderately oblique. Hind wings broad, extending beyond the abdomen; exterior border slightly notched, with two acute teeth. *Female.*—Palpi extending much beyond the hind wings; third joint as long as the second. Antennæ smooth.

BERTA CHRYSOLINEATA.

Mas et fœm. Alba; caput antice cervinum; thorax antice ochraceus subauratus; alæ fasciis nonnullis e lineis dentatis plus minusve interruptis aut dentatis.

Male and female. White. Head fawn-colour in front. Thorax ochraceous and slightly gilded in front. Wings with four or five bands formed by irregular dentate more or less incomplete or connected lines; under side without markings. Length of the body 5 lines; of the wings 12—14 lines.

a. Canara. Presented by the Secretary of the India Board.

b. Ceylon. From Mr. Stevens' collection.

Genus HYDATA.

Mas. Corpus gracile. Proboscis breviuscula. Palpi brevissimi, gracillimi, caput vix superantes, articulo 3us minimo. An-

tennæ pectinatæ, apice simplices. Abdomen alas posticas non superans. Pedes læves, graciles; tibiæ posticæ calcaribus quatuor longis approximatis. Alæ tenues, subhyalinæ; anticæ subacutæ.

Male. Body slender. Proboscis rather short. Palpi very short and slender, hardly extending beyond the head; third joint extremely minute. Antennæ rather broadly pectinated, except towards their tips. Abdomen not extending beyond the hind wings. Legs smooth, slender; hind tibiæ with four long approximate spurs. Wings delicate, slightly hyaline, moderately long and broad. Fore wings slightly acute; costa straight; exterior border slightly convex and oblique.

HYDATA SUBFENESTRARIA.

Mas. Pallide flava; vertex albus; alæ subhyalinæ, fascia exteriorē cinerea nebulosa indistincta interrupta.

Male. Pale yellow. Vertex and antennæ white. Wings subhyaline, with an exterior nebulous indistinct and incomplete cinereous band. Length of the body 3 lines; of the wings 9 lines.

a. Venezuela. From Mr. Dyson's collection.

Genus ZEUGMA.

Mas. Corpus gracile. Proboscis obsoleta aut vix conspicua. Palpi graciles, læves, subdecumbentes, capitis latitudine non breviores, articulo 3o lineari. Antennæ late pectinatæ, apice simplices. Pedes læves, graciles; tibiæ posticæ calcaribus quatuor longissimis. Alæ anticæ vix acutæ, costa basi subconvexa; posticæ margine exteriorē subdentato.

Male. Body slender. Proboscis obsolete or nearly so. Palpi slender, smooth, slightly decumbent, as long as the breadth of the head; third joint linear, acuminate, more slender and much shorter than the second. Antennæ broadly pectinated, except towards the tips. Legs smooth, slender; hind tibiæ with four very long spurs. Wings moderately broad. Fore wings hardly acute; costa slightly convex towards the base; exterior border slightly convex, rather oblique. Hind wings not extending beyond the abdomen; exterior border very slightly dentate.

ZEUGMA RECUSATARIA.

Mas. *Albida; alæ lineis plurimis roseis indistinctis punctatis, lituris subtus nullis; posticæ puncto discali nigricante.*

Male. Whitish. Wings with several slender indistinct rosy lines, which are mostly distinguishable by points on the veins; under side without markings. Hind wings with a blackish discal point. Length of the body 3 lines; of the wings 9 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

Genus SANDAVA.

Mas. Corpus sat gracile. Proboscis conspicua. Palpi porrecti, compressi, fimbriati, capitis latitudine paullo longiores; articulus 3us linearis, obtusus, 2i dimidio non brevior. Antennæ breviusculæ, late pectinatæ. Abdomen alas posticas non superans. Pedes læves; tibiæ posticæ calcaribus quatuor longissimis. Alæ margine exteriori vix dentato; anticæ apice subrotundatæ. *Fœm.*—Palpi graciles; articulus 3us lanceolatus, 2i dimidio longior. Antennæ graciles, setulosæ.

Male. Body rather slender. Proboscis distinct. Palpi porrect, compressed, fringed, a little longer than the breadth of the head; third joint linear, obtuse, much more slender than the second, and about half its length. Antennæ rather short, broadly pectinated. Abdomen not extending beyond the hind wings. Legs smooth; hind tibiæ with four very long spurs. Wings moderately broad; exterior border convex, very slightly festooned. Fore wings slightly rounded at the tips; costa straight. *Female.*—Palpi slender; third joint lanceolate, more than half the length of the second. Antennæ slender, very minutely setulose.

SANDAVA MELALEUCATA.

Mas et fœm. *Subochraceo-alba; caput antice nigrum; alæ linea interiore valde interrupta, linea exteriori nigra undulata subdenticulata, plagiis submarginalibus nigris lineam albam angulosam includentibus, litura discali sublunulari maculisque marginalibus lunulisque fimbriæ nigris; anticæ maculis guttisque costalibus nigris.*

Male. White, slightly tinged with pale ochraceous, more cinereous beneath. Head in front, palpi and antennæ black. Wings with some black submarginal patches, which are intersected by the white zigzag submarginal line; exterior line black, oblique, undulating, slightly denticulated; interior line very incomplete; marginal festoon black, obliterated here and there by black marginal spots; discal mark large, black-bordered, irregularly lunulate; fringe with black lunules. Fore wings with black costal spots and dots. *Female.*—Palpi whitish, speckled with black. Length of the body 3—4 lines; of the wings 10—12 lines.

a. Moreton Bay. Presented by — Gibbons, Esq.

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MICRONIA GANNATA.

e. Hong Kong. Presented by J. C. Bowering, Esq.

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MICRONIA CERAMATA.

Fœm. *Alba*; *caput antice nigrum*; *alæ fasciis quatuor pallide fusciscentibus*, *4a strigulari*, *linea marginali fusca*; *antica acutæ*, *costa convexa*; *posticæ abdomen superantes*, *marginis exterioris angulo punctum nigrum includente*.

Female. White. Head black in front. Fore legs mostly black. Wings with four pale brownish bands, which converge from the interior border of the hind wings nearly to the tips of the fore wings; fourth band composed of streaks; marginal line brown; under side without markings. Fore wings acute; costa convex; exterior border straight, rather oblique. Hind wings extending beyond the abdomen; exterior border forming an acute angle, which is marked by a black point. Length of the body 5 lines; of the wings 18 lines.

a. Ceram. Presented by F. Moore, Esq.

MICRONIA INCHOATA.

Fœm. *Alba*; *alæ lineis duabus testaceis rectis parallelis indistinctis perobliquis*; *antica acutæ*, *punctis costalibus minimis nigriscentibus*, *disco subtus subcinereo*; *posticæ punctis marginalibus elongatis nigris*, *angulo acuto guttam nigram includente*.

Female. White. Wings not speckled, with the exception of a few very minute blackish points along the costa of the fore wings; two straight parallel indistinct very oblique testaceous lines; marginal line brownish beneath. Fore wings acute; exterior border straight, very oblique; disk beneath slightly cinereous. Hind wings with a few elongated black points along the exterior border, which forms an acute angle containing a black dot. Length of the body 5 lines; of the wings 18 lines.

a. Mysol. From Mr. Wallace's collection.

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PITYEJA HISTRIONARIA.

Geometra histrionaria, Moriz. *Herr.-Sch. Exot. Schm.* pl. 16, f. 71, 72.

Pityeja bellaria, Cat. *Lep. Het.* 829.

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EROSIA OPPOSITATA.

Fœm. *Fuscescente-cinerea; vertex albus; palpi porrecti, sat graciles, vix arcuati, caput non superantes, articulo 3o minimo; antennæ breviusculæ; abdomen alas posticas vix superans; alæ elongatæ, sat angustæ; anticæ apice rotundatæ, fusco subnebulosæ, linea exterior punctulari punctisque marginalibus nigris; posticæ plagis nigricantibus, linea alba valde flexa, margine exterior apud medium excavato.*

Female. Brownish cinereous. Vertex white. Palpi porrect, rather slender, very slightly curved, not extending beyond the head; third joint extremely minute. Antennæ rather short. Abdomen hardly extending beyond the hind wings. Wings elongate, rather narrow. Fore wings rounded at the tips, partly and slightly shaded with brown, with an exterior line of black points, which are most distinct towards the costa; marginal points black; costa straight; exterior border slightly convex, very oblique. Hind wings with some blackish patches and with a much bent white line; exterior border excavated in the middle. Length of the body 3 lines; of the wings 10 lines.

a. St. Domingo. From Mr. Tweedie's collection.

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EROSIA DEMPTRARIA.

Fœm. *Pallide cinerea, cervino tincta; caput nigrum; alæ con-*
spersæ, lineis duabus arcuatis cervinis; anticæ acutæ; posticæ
striga discali, strigis duabus costalibus subapicalibus punc-
tisque duobus submarginalibus nigris, margine exterior
bidentato.

Female. Pale cinereous, mostly tinged with fawn-colour. Head and antennæ black. Wings minutely speckled, with two curved slender fawn-coloured lines. Fore wings acute; costa straight; exterior border hardly convex, moderately oblique. Hind wings with two very acute teeth on the exterior border; two black submarginal points between the second tooth and the interior angle; a minute black streak in the disk and two near the tip of the costa. Length of the body 4 lines; of the wings 10 lines.

a. Venezuela. From Mr. Dyson's collection.

EROSIA INTEGRATA.

Fœm. *Pallide cinereo-cervina, subtus pallide ochracea; caput*
obscure ochraceum; palpi porrecti, lanceolati, caput non
superantes; alæ longæ, integræ, latiusculæ, nigricante con-
spersæ, linea submarginali obscure ochracea, linea marginali
argentea nigro punctata, fimbria fusca; anticæ acutæ; posticæ
linea submarginali extus nigricante-cinereo marginata, margine
exteriore vix flexo.

Female. Dull fawn-colour, tinged with cinereous, pale dull ochraceous beneath. Head dark ochraceous. Palpi slender, porrect, lanceolate, not extending beyond the head; third joint extremely minute. Hind tibiæ with four long spurs. Wings long, entire, rather broad, transversely blackish-speckled; submarginal line dark ochraceous, rather indistinct, parallel to the exterior border, diffusedly bordered with blackish cinereous in the hind wings; marginal line silvery, accompanied by black points; fringe short, brown. Fore wings acute; costa straight; exterior border very slightly convex and oblique. Hind wings with the exterior border hardly bent; interior angle prominent. Length of the body 4? lines; of the wings 13 lines.

Amazon Region. In Mr. Saunders' collection.

EROSIA SUBTRUNCATA.

Mas. *Cervino-cinerea, subtilus fuscescens; caput antice fuscum; antennæ breves, compressæ; alæ sat angustæ; anticæ subfalcatæ, lineis nonnullis cervinis indistinctis subrectis aut subundulatis cinereo marginatis, linea submarginali interrupta pallide cinerea, striga apicali nigra, margine exteriori angulato; posticæ margine exteriori subtruncato vix angulato.*

Male. Cinereous, slender, tinged with fawn-colour, brownish beneath. Head brown in front. Palpi very short. Antennæ short, stout, compressed. Abdomen extending a little beyond the hind wings. Legs smooth, slender; hind tibiæ with four long spurs. Wings rather narrow. Fore wings acute, subfalcate, with several oblique slender indistinct fawn-coloured nearly straight or slightly undulating lines, which are bordered with pale cinereous; submarginal line pale cinereous, incomplete, connected in front with a black apical streak; discal streak convex, with a black mark near its base; exterior border angular, its hind part extremely oblique. Hind wings with lines like those of the fore wings, but less distinct; fore part without markings; exterior border slightly truncated, hardly angular. Length of the body 4 lines; of the wings 12 lines.

Brazil. In Mr. Saunders' collection.

EROSIA QUADRUNCATA.

Fœm. *Subtestaceo-cinerea; palpi oblique ascendentes; alæ latæ, nigro subconspersæ, lineis duabus fuscis indistinctis, 1a subarcuata, 2a subrecta extus cinereo marginata, margine exteriori postico falcato excavato; anticæ subfalcatæ, linea exteriori angulato, striga adhuc exteriori pallide cinerea fusco marginata, puncto discali nigro; posticæ nebula submarginali purpurascens-cinerea, margine exteriori antico subexcavato.*

Female. Cinereous, with a slight testaceous tinge. Palpi obliquely ascending, not rising higher than the vertex; third joint conical, about one-fourth of the length of the second. Wings broad, very thinly and minutely black-speckled; interior and exterior lines brown, indistinct; interior line slightly curved, broadest in the hind wings, where it is nearly obsolete in front; exterior line oblique, nearly straight, bordered with pale cinereous on the outer side, angular hindward in the fore wings, where it is accompanied on the

outer side by a pale cinereous brown-bordered streak; exterior border falcate and deeply excavated hindward. Fore wings with subfalcate tips; discal point black. Hind wings with a purplish cinereous submarginal tinge; exterior border slightly excavated in front. Length of the body 7 lines; of the wings 20 lines.

Brazil. In Mr. Saunders' collection.

EROSIA SUBPATULATA.

Fœm. *Albido-cinerea; antenna validæ; alæ ferrugineo conspersæ; anticæ costa interiore nigricante conspersa; lineis duabus rectis postice abbreviatis maculaque apud marginem interiorem ferrugineis; posticæ fasciis duabus abbreviatis ferrugineis, 1a interrupta, margine exteriori bis inciso bidentato atro unipunctulo.*

Female. Whitish cinereous. Antennæ stout, smooth. Wings irregularly ferruginous-speckled. Fore wings with some blackish speckles along the interior part of the costa; two oblique straight ferruginous lines, which extend from the costa to the disk and there terminate; a ferruginous spot on the interior border corresponding to the first band of the hind wings; exterior border slightly convex and oblique. Hind wings with two excavations, and with two long acute teeth on the exterior border; second tooth accompanied by a deep black point; two ferruginous bands, the first abbreviated in front and interrupted, the second much abbreviated hindward. Length of the body 3 lines; of the wings 10 lines.

Brazil. In Mr. Saunders' collection.

EROSIA BISTRIGATA.

Mas. *Ferruginea; caput antice fuscum; palpi porrecti, acuti, caput non superantes; antennæ læves, compressæ; alæ elongatæ, nigro conspersæ, lineis tribus saturatioribus indistinctis, 1a 2aque subundulatis, 3a marginali; anticæ apice rectangulatæ, linea marginali fimbriaque ex parte nigricantibus, margine exteriori flexo; posticæ margine exteriori subexcavato.*

Male. Ferruginous, paler beneath. Head dark brown in front. Palpi porrect, slender, acute, not extending beyond the head. Antennæ smooth, compressed. Wings elongate, thickly black-speckled, with three indistinct brighter ferruginous lines, of which the interior and exterior lines are slightly undulating and the third line is marginal. Fore wings rectangular at the tips; marginal line and fringe

partly blackish; costa straight; exterior border bent, very oblique hindward. Hind wings with the exterior border slightly excavated. Length of the body 3 lines; of the wings 10 lines.

a. Ega. From Mr. Bates' collection.

EROSIA? BIPARTARIA.

Mas. *Rufescente-cinerea, vix purpurascens, subtus schistacea; caput fuscum; palpi validi, porrecti, caput superantes, articulo 3o minimo; antennæ pectinatæ; alæ latæ, puncto discali lineisque duabus angulosis obscurioribus, punctis marginalibus nigris, striga subtus discali nigricante; anticæ acutæ, costa subconvexa; posticæ abdomen superantes.*

Male. Reddish cinereous, with a slight purplish tinge, slate-colour beneath. Head dark brown. Palpi stout, porrect, extending beyond the head; third joint obtuse, very small, less than half the breadth of the second, and not more than one-sixth of its length. Antennæ moderately pectinated. Fore legs dark brown. Wings broad; interior and exterior lines zigzag, a little darker than the ground hue, as is also the discal point; exterior line blackish and more distinct on the under side, where there is a blackish discal streak; marginal points black. Fore wings acute; costa slightly convex; exterior border almost straight, slightly oblique. Hind wings extending beyond the abdomen; interior angle prominent. Length of the body $6\frac{1}{2}$ lines; of the wings 16 lines.

Amazon Region. In Mr. Saunders' collection.

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EROSIA TURBIDARIA.

Fœm. *Pallide cinerea; palpi porrecti, caput vix superantes; antennæ compressæ; alæ elongatæ, ferrugineo subinctæ, strigis obscurioribus indistinctis, lineis duabus angulatis; anticæ apice rotundatæ, lineis postice connexis, plaga marginali subapicali fuscescente nigro marginata, costa convexa; posticæ punctis marginalibus nigris, margine exteriori antico subexcavato.*

Female. Pale cinereous. Palpi porrect, smooth, hardly extending beyond the head; third joint conical, minute. Antennæ smooth, stout, compressed. Wings elongate, partly and slightly tinged with ferruginous-colour, with many indistinct transverse

darker streaks; two oblique irregularly angular black lines, which are connected with each other hindward in the fore wings. Fore wings somewhat rounded at the tips, with a brownish marginal subapical patch, which is bounded by an angular black line; costa convex; exterior border hardly convex, rather oblique. Hind wings extending beyond the abdomen; a few black marginal points; exterior border slightly excavated in front. Length of the body 3 lines; of the wings 12 lines.

a. ——— ?

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Genus DERAMBILA.

Mas. Corpus gracillimum. Proboscis mediocris. Palpi graciles, oblique ascendentes, caput non superantes; articulus 3us conicus, minimus. Antennæ pubescentes. Pedes læves, longissimi, gracillimi; tibiæ non calcaratæ. Alæ elongatæ, tenues, subhyalinæ; anticæ acutæ, costa recta, margine exteriore perobliquo vix convexo.

Male. Body very slender. Proboscis moderately long and stout. Palpi slender, obliquely ascending, not rising higher than the head; third joint conical, very minute. Antennæ pubescent. Legs smooth, very long and slender; tibiæ without spurs. Wings elongate, delicate, slightly hyaline. Fore wings acute; costa straight; exterior border hardly convex, very oblique.

DERAMBILA PUNCTISIGNATA.

Mas. Alba; alæ linea exteriore e punctis nigricantibus, puncto discali punctisque marginalibus nigricantibus; anticæ linea interiore obliqua e punctis nigricantibus; posticæ linea exteriore flexa.

Male. White. Wings with an exterior line composed of blackish points and much bent in the hind wings; discal point and marginal points blackish. Fore wings with a straight oblique interior line of blackish points. Length of the body 6? lines; of the wings 16 lines.

West Africa. In Mr. Saunders' collection.

Genus CARIMA.

Fæm. Corpus gracile. Proboscis conspicua. Palpi porrecti, fimbriati, obtusi, caput paullo superantes; articulus 3us brevissimus.

Antennæ graciles. Pedes læves, longi, gracillimi; tibiæ posticæ subappressæ, quadricaratae. Alæ elongatæ; anticæ falcatae, costa recta, margine exteriori flexo antice concavo postice recto; posticæ apice truncatae.

Female. Body slender. Proboscis distinct. Palpi porrect, fringed, obtuse, extending a little beyond the head; third joint very short. Antennæ slender. Legs smooth, long, very slender; hind tibiæ slightly flattened, with four spurs, of which the first pair are very remote from the apical pair. Wings elongate. Fore wings acute, falcate; costa straight; exterior border bent, concave in front, straight and very oblique hindward. Hind wings truncated at the tips.

CARIMA BASISPARSATA.

Fœm. *Albido-cinerea, roseo suffusa, subtus sordida; alæ nigricante conspersæ, linea exteriori nigra tenui subrecta costam versus arcuata, punctis marginalibus nigris.*

Female. Whitish cinereous, with a rosy tinge, somewhat dingy beneath. Wings with various sized blackish speckles, which are most prevalent towards the base; exterior line slender, oblique, nearly straight, curved inward towards the costa of the fore wings; marginal points black. Length of the body 5 lines; of the wings 16 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

Genus CARIGE.

Mas. Corpus gracile. Proboscis mediocris. Palpi porrecti, pilosi, capitis latitudine breviores; articulus 3us longi-conicus, acutus. Antennæ pectinatae, apices versus simplices. Abdomen fasciculo apicali minimo. Pedes longi, graciles, læves; tibiæ posticæ quadricaratae. Alæ amplæ, tenues; anticæ acutæ, costa subconvexa, margine exteriori subangulato; posticæ margine exteriori bidentato.

Male. Body slender. Proboscis moderately long. Palpi porrect, pilose, shorter than the breadth of the head; third joint elongate-conical, acute, not more than one-fourth of the length of the second. Antennæ moderately pectinated, bare towards the tips. Abdomen with a very small apical tuft. Legs long, slender, smooth; hind tibiæ with four long spurs. Wings ample, delicate. Fore wings acute; costa slightly convex; exterior border slightly angular,

slightly concave in front of the angle, straight and very oblique hindward. Hind wings extending beyond the abdomen; exterior border with two teeth, between which it is concave.

CARIGE DUPLICARIA.

Mas. *Subluteo-albida; alæ nigricante conspersæ, linea exteriorē nigra duplicata subarcuata ex parte dilatata, striga discali nigricante parva; anticæ linea interiorē duplicata subrecta.*

Male. Whitish, with a slight luteous tinge, the latter hue most prevalent on the under side. Wings with blackish speckles, which are largest beneath; a double black slightly curved here and there dilated exterior line; discal streak blackish, minute. Fore wings with an interior line like the exterior line, but almost straight. Length of the body $5\frac{1}{2}$ lines; of the wings 15 lines.

a. North China. From Mr. Fortune's collection.

Genus AUSARIS.

Mas. Corpus vix robustum. Proboscis conspicua. Palpi graciles, brevissimi; articulus 3us subobsoletus. Antennæ breves, late pectinatæ. Abdomen breviusculum, fasciculo apicali nullo. Pedes læves, breves; tibiæ posticæ bicalcaratæ. Alæ amplæ; anticæ falcatæ, costa convexa, margine exteriorē perobliquō; posticæ abdomen superantes.

Male. Body hardly stout. Proboscis distinct. Palpi slender, extremely short, hardly extending to the front; third joint nearly obsolete. Antennæ short, broadly pectinated. Abdomen rather short, without an apical tuft. Legs smooth, short; hind tibiæ with two apical spurs. Wings ample. Fore wings acute, falcate; costa and exterior border convex, the latter very oblique. Hind wings extending beyond the abdomen; interior angle prominent.

AUSARIS SCINTILLATA.

Mas. *Pallide testacea, subtus pallide lutea; caput ochraceum; alæ linea diffusa recta submarginali pallide cervina argenteo squamosa; anticæ lineis costali et subcostali argenteo squamosis.*

Male. Pale buff-colour, pale luteous beneath. Head ochraceous. Wings with a straight submarginal pale fawn-coloured

diffuse line, which is adorned with silvery scales; a few of these latter are scattered over the whole surface of the wings. Fore wings with a costal line and a subcostal line of silvery scales. Length of the body 5 lines; of the wings 16 lines.

a. Ceram. Presented by F. Moore, Esq.

Genus CARMALA.

Mas. Proboscis brevis. Palpi porrecti, graciles, caput perpaullo superantes; articulus 3us longi-conicus. Antennæ late pectinatae, apice simplices. Thorax robustus. Abdomen gracile; fasciculus apicalis parvus. Pedes laeves, graciles; tibiæ posticæ calcaribus quatuor longissimis. Alæ latæ; anticæ acutæ, venis arcuatis, margine exteriori subobliquo vix convexo; posticæ abdomen superantes, angulo interiore quadrato.

Male. Proboscis short. Palpi porrect, slender, extending very little beyond the head; third joint elongate-conical, less than half the length of the second. Antennæ broadly pectinated, except towards the tips. Thorax robust. Abdomen slender; apical tuft small. Legs smooth, slender; hind tibiæ with four very long spurs. Wings broad. Fore wings acute, veins mostly curved; costa straight; exterior border hardly convex, slightly oblique. Hind wings extending beyond the abdomen; interior angle quadrate, prominent.

CARMALA FLEXATA.

Mas. *Pallide fulva, subtus ochracea; caput ferrugineum; thorax antice subcanus; alæ nigricante conspersæ, lineis submarginali et marginali subargenteis subparallelis nigro punctatis; anticæ apud costam obscuriores; posticæ gutta nigra apud marginem anteriorem.*

Male. Pale tawny, more ochraceous beneath. Head ferruginous. Thorax slightly hoary in front. Wings minutely and transversely blackish-speckled; submarginal and marginal lines somewhat silvery, nearly parallel, accompanied by black points. Fore wings slightly darker along the costa. Hind wings with a black dot on the interior border at two-thirds of the length. Length of the body $5\frac{1}{2}$ lines; of the wings 14 lines.

Amazon Region. In Mr. Saunders' collection.

Genus GASMARA.

Mas. Corpus gracillimum. Proboscis breviuscula. Palpi graciles, porrecti, capitis latitudine breviores; articulus 3us minimus. Abdomen subcompressum, alas posticas paullo superans. Pedes læves, longissimi, gracillimi; tibiæ posticæ calcaribus duobus parvis apicalibus. Alæ subpilosæ; anticæ acutæ, margine exteriori perobliquo; posticæ subtruncatæ, angulo interiore valde rotundato.

Male. Body very slender. Proboscis rather short. Palpi slender, porrect, shorter than the breadth of the head; third joint conical, very minute. Abdomen somewhat compressed, extending a little beyond the hind wings. Legs smooth, very long and slender; hind tibiæ with two short apical spurs. Wings very thinly clothed. Fore wings acute; costa straight; exterior border slightly convex, very oblique. Hind wings slightly truncated; interior border oblique; interior angle much rounded.

GASMARA UNIFERATA.

Mas. *Alba*; alæ iridescentes, semihyalinæ, lituris nullis, venis nigricantibus.

Male. White. Wings iridescent, semihyaline, without any markings; veins blackish. Length of the body 6 lines; of the wings 14 lines.

a. Ega. From Mr. Bates' collection.

Genus GARGAPHIA.

Fæm. Corpus gracile. Proboscis brevis. Palpi lati, fimbriati, oblique ascendentes, verticem non superantes, articulo 3o minimo. Antennæ graciles. Abdomen apice conicum. Pedes læves, longi, gracillimi; tibiæ anticæ breves, clavatæ; tibiæ posticæ quadriclcaratæ. Alæ elongatæ, amplæ, margine exteriori subemarginato; anticæ acutæ, falcatæ; posticæ abdomen paullo superantes.

Female. Body slender. Proboscis short. Palpi broad, fringed, obliquely ascending, not rising higher than the vertex; third joint very minute. Antennæ slender. Abdomen conical at the tip. Legs long, smooth, very slender; fore tibiæ short, clavate; hind tibiæ with four moderately long spurs. Wings elongate, ample; exterior border slightly emarginate. Fore wings acute, very falcate; costa straight. Hind wings extending a little beyond the abdomen.

GARGAPHIA MURIFERATA.

Fœm. *Murina*; *caput et thorax anticus fusca*; *alæ nigro conspersæ, linea exteriore recta ferruginea cinereo pallido extus marginata, fimbria ferruginea*; *anticæ gutta discali ferruginea.*

Female. Mouse-colour, a little paler beneath. Head and fore part of the thorax brown. Wings thickly black-speckled; exterior line ferruginous, straight, bordered with pale cinereous on the outer side, extending from five-sixths of the length of the costa of the fore wings to beyond the middle of the interior border of the hind wings; fringe ferruginous. Fore wings with a ferruginous discal dot. Length of the body 6 lines; of the wings 18 lines.

a. Auckland, New Zealand. From Mr. Oxley's collection.

Genus DOCIRAVA.

Mas. *Corpus gracile. Fasciculus frontalis subproductus. Proboscis gracilis, longiuscula. Palpi porrecti, lati, disjuncti, caput paullo superantes; articulus 3us minimus. Antennæ læves, subappressæ. Abdomen longum, alas posticas paullo superans. Pedes longi, gracillimi; tibiæ posticæ calcaribus quatuor breviusculis. Alæ elongatæ, sat latæ; anticæ acutæ, margine exteriore perobliquo; posticæ rotundatæ.*

Male. Body slender. Frontal tuft slightly prominent. Proboscis slender, rather long. Palpi porrect, broad, apart from each other, extending a little beyond the head; third joint extremely minute. Antennæ smooth, slightly flattened. Abdomen long, extending a little beyond the hind wings. Legs long, very slender; hind tibiæ with four rather short and slender spurs. Wings elongate, rather broad. Fore wings acute, very much longer than the hind wings; costa straight; exterior border slightly convex, very oblique; interior angle much rounded. Hind wings somewhat rounded.

DOCIRAVA ÆQUILINEATA.

Mas. *Cinereo-fusca; alæ anticæ lineis duabus flavis rectis, 1a antice abbreviata; posticæ cinereæ, sublus ochraceo conspersæ puncto discali nigro.*

Male. Cinereous-brown. Abdomen and hind wings cinereous. Fore wings with two oblique straight yellow lines; first line nearer to the second on the interior border than towards the costa, near which it is abbreviated; second line terminating on the costa, very near the tip of the wing; under side with the second line ochraceous and much dilated towards the tip. Hind wings with a black discal point on the under side, which is ochraceous-speckled. Length of the body 7 lines; of the wings 18 lines.

a. North Hindostan. Presented by the Secretary of the India Board.

Genus ARCOBARA.

Fœm. Corpus gracile. Proboscis brevis. Palpi porrecti, graciles, caput non superantes; articulus 3us minimus. Antennæ glabræ, graciles. Abdomen alas posticas non superans. Pedes læves, graciles, calcaribus longis. Alæ longæ; anticæ acutæ, costa vix convexa, margine exteriore recto perobliquo.

Female. Body slender. Proboscis short, slender. Palpi porrect, slender, not extending beyond the head; third joint extremely minute. Antennæ smooth, slender. Abdomen not extending beyond the hind wings. Legs smooth, slender; spurs long. Wings long. Fore wings acute; costa hardly convex; exterior border straight, very oblique.

ARCOBARA MICRONIATA.

Fœm. Albido-cinerea; alæ fascia recta obliqua e lineis quinque fuscis, fascia exteriore cinerea, linea marginali fusca; anticæ linea interiore obliqua fusca, costa fusco subtinctor nigro conspersa.

Female. Whitish cinereous, a little more cinereous beneath. Wings with a straight band, which extends from the tips of the fore wings to the middle of the interior border of the hind wings, and is composed of five brown lines, and widens hindward, and is darker in front, where it is connected on the outer side with a brown line and a more exterior cinereous band; marginal line brown. Fore wings with an interior oblique brown line; costa slightly tinged with brown and minutely speckled with black. Length of the body 5 lines; of the wings 16 lines.

Rio Janeiro. In Mr. Fry's collection.

Genus ZARMIGETHUSA.

Mas. Corpus gracile. Proboscis mediocris. Palpi porrecti, brevissimi, valde obtusi, articulo 3o minimo. Antennæ longæ, graciles, subpubescentes. Abdomen longum, alas posticas paullo superans. Pedes longissimi, gracillimi; tibiæ posticæ calcaribus duobus parvis apicalibus. Alæ anticæ longæ, subfalcatæ, sat augustæ, margine exteriore perobliquo; posticæ rotundatæ.

Male. Body slender. Proboscis moderately long. Palpi porrect, very short and obtuse; third joint extremely small. Antennæ slender, long, very minutely pubescent. Abdomen long, extending a little beyond the hind wings. Legs very long and slender; hind tibiæ with two rather short apical spurs. Fore wings long, rather narrow, acute, subfalcate; costa straight; exterior border slightly convex, extremely oblique. Hind wings rounded, moderately broad.

ZARMIGETHUSA MACARIATA.

Mas. *Pallide lignicolor; alæ fusco conspersæ, lineis duabus fuscis exterioribus undulatis bisjunctis, linea submarginali e strigis nonnullis fuscis, punctis marginalibus nigris; anticæ linea interiore fusca undulata.*

Male. Pale wood-colour. Wings with brown speckles, which are most conspicuous beneath; two brown exterior undulating lines, which are connected about the middle of their length and on the costa of the fore wings; submarginal line indicated by some brown streaks, which extend to the exterior border; marginal points black. Fore wings with an angular brown interior line. Length of the body 7 lines; of the wings 16 lines.

a. Ceram. Presented by F. Moore, Esq.

Genus ZUSIDAVA.

Mas. Corpus gracile. Proboscis vix conspicua. Palpi breves, graciles. Antennæ late pectinatæ. Pedes læves, graciles; tibiæ posticæ bicalcaratæ. Alæ latæ; anticæ acutæ, vix falcatæ, costa basi convexa, margine exteriore perobliquo; posticæ abdomen longe superantes, margine exteriore angulato.

Male. Body slender. Proboscis indistinct. Palpi short, slender. Antennæ broadly pectinated. Legs smooth, slender; hind tibiæ with two long apical spurs. Wings broad. Fore wings acute, hardly falcate; costa very convex towards the base; exterior border slightly convex, very oblique. Hind wings extending much beyond the abdomen; exterior border angular.

ZUSIDAVA TORTRICARIA.

Mas. Alba; alæ subopalinæ, lineis nonnullis fuscescentibus denticulatis indistinctis; anticæ lituris costalibus pallide fuscescentibus, punctis marginalibus obscurioribus.

Male. White. Wings slightly pearly, with several oblique indistinct diffuse denticulated brownish lines. Fore wings with some pale brownish marks along the costa; exterior border with darker brown points. Length of the body 3 lines; of the wings 10 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

Genus MAGIDA.

Fœm. Corpus sat gracile. Proboscis brevis. Palpi porrecti, læves, graciles, caput paullo superantes; articulus 3us acutus, parvus. Antennæ graciles, longiusculæ. Abdomen alas posticas non superans. Pedes læves, graciles; tibiæ posticæ quadricaratae. Alæ amplæ; anticæ acutæ, costa margineque exteriore subrectis.

Female. Body rather slender. Proboscis short. Palpi smooth, porrect, slender, extending a little beyond the head; third joint acute, minute. Antennæ slender, rather long. Abdomen not extending beyond the hind wings. Legs smooth, slender; hind tibiæ with four moderately long spurs. Wings ample. Fore wings acute; costa and exterior border almost straight, the latter rather oblique.

MAGIDA MIMICARIA.

Fœm. *Ochracea, subtus lutea; caput antice rufescens; alæ rufescente conspersæ, lineis duabus rufescentibus subrectis subparallelis, fascia subtus submarginali chalybæo-rufescente; posticæ linea submarginali rufescente.*

Female. Ochraceous, luteous beneath. Head reddish in front. Wings thickly and transversely reddish-speckled; interior and

exterior lines reddish, oblique, nearly straight and parallel; under side with a reddish submarginal chalybeous-tinged band. Hind wings with a reddish submarginal line. Length of the body $3\frac{1}{2}$ lines; of the wings 10 lines.

a. Para. From Mr. Bates' collection.

Genus GATHYNIA.

Mas. Corpus validum. Proboscis brevis. Palpi graciles, lineares, oblique ascendentes; articulus 3us brevis, apice rotundatus. Antennæ robustæ, compressæ, læves. Pedes breves, robusti; tibiæ posticæ calcaribus quatuor longissimis. Alæ anticæ angustæ, convolutæ; posticæ latæ, costa basi convexa extus concava, margine exteriori bidentato.

Male. Body rather stout. Proboscis short. Palpi slender, linear, obliquely ascending, not rising to the vertex; third joint rounded at the tip, much shorter than the second. Antennæ stout, smooth, compressed. Legs short, stout; hind tibiæ with four very long spurs. Fore wings narrow, convolute; costa straight. Hind wings broad; costa convex towards the base, concave exteriorly; exterior border bidentate in front.

GATHYNIA MIRARIA.

Mas. *Cinereo-fusca; caput antice nigro-fuscum; alæ posticæ vittis duabus pallide cinereis, linea exteriori fusca arcuata duplicata intus atro signata, maculis duabus interioribus atris, una subcostali.*

Male. Cinereous-brown, pale cinereous beneath. Head blackish brown in front. Hind wings with two pale cinereous bands, which are dilated exteriorly, one in the disk, the other along the interior border; exterior line double, slightly undulating, accompanied by three deep black marks on its inner side; two other deep black marks nearer the base; submarginal line black, slightly undulating and angular; under side irregularly bordered with dark brown. Length of the body 5 lines; of the wings 14 lines.

a. Ceylon. Presented by Dr. Templeton.

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STEGANIA DILUTARIA.

a. Europe. From Dr. Herrich-Schæffer's collection.

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EILICRINIA CORDIARIA.

a. Europe. From Dr. Herrich-Schæffer's collection.

EILICRINIA CAUTERIATA.

Mas et fœm. *Cinereo-ochracea*; *alæ anticæ fascia media inter strigas duas punctis nigris compositas fimbriaque nigris* *compositis, margine exteriori antico late excavato; posticæ lutescentes, intus fuscis conspersæ, postice sæpius striga obscure punctata.*

Elicrina Cauteriata, *Staud. Stett. Ent. Zeit.* 1859, 217.
Granada.

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MACARIA ÆSTIMARIA.

a, b. Europe. From M. Becker's collection.

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MACARIA LATIFERRUGATA.

Mas. *Cinerea, ferrugineo subconsersa; caput ferrugineum; palpi brevissimi; antennæ subserratæ; alæ integræ, lineis duabus fuscis vix undulatis, 1a costam versus retracta, spatio submarginali ferruginea lineam submarginalem angulosam pallide cineream antice dilatatam includente, linea marginali albida, fimbria fusca; anticæ vix falcatæ; posticæ margine exteriori vix flexo.*

Male. Cinereous, slightly ferruginous-speckled, paler beneath. Head ferruginous. Palpi very short. Antennæ minutely serrated. Fore tibiæ and fore tarsi brownish, with pale bands. Wings entire; interior and exterior lines brown, hardly undulating, slightly converging hindward; interior line retracted towards the costa of the fore wings, much more slender and less conspicuous than the exterior line; space beyond the exterior line ferruginous, including the indistinct zigzag pale cinereous submarginal line, which is dilated into an apical patch; marginal line whitish, slender; fringe

brown. Fore wings acute, hardly falcate; exterior border convex. Hind wings with the exterior border hardly bent in the middle. Length of the body 5? lines; of the wings 12 lines.

a. East Florida. Presented by E. Doubleday, Esq.

MACARIA? SPILOSARIA.

Fœm. *Fusca; palpi brevissimi; thorax nigro fasciatus; abdominis segmenta albido marginata; pedes nigricantes, tarsi albido fasciatis; alæ anticæ cinereæ, extus fuscescentes, fasciis duabus fuscis subundulatis, linea nigra denticulata subundulata, linea submarginali e lunulis albis, linea marginali e punctis elongatis nigris.*

Female. Brown. Palpi very short. Thorax with a black band in front. Abdomen with the hind borders of the segments whitish. Legs blackish; tarsi with whitish bands. Fore wings cinereous, with the exterior part brownish; two brown slightly undulating black-bordered bands; first basal; second interior; a denticulated slightly undulating exterior black line, followed by an incomplete line of white lunules; marginal line composed of elongated black points. Hind wings cinereous, with the lines very slightly marked. Length of the body 5 lines; of the wings 14 lines.

Canada. In Mr. D'Urban's collection.

MACARIA? SUBAPICARIA.

Mas. *Albida, gracilis; palpi breves, subascendentes; antennæ pubescentes; alæ fusco dense conspersæ, litura discali fusca, punctis marginalibus nigris; anticæ lineis quatuor fuscis diffusis indistinctis nigricante notatis; posticæ angulatæ.*

Male. Whitish, slender. Palpi short, slightly ascending, extending very little beyond the front. Antennæ pubescent. Wings thickly speckled with brown; discal mark brown; marginal points black. Fore wings with four diffuse and very indistinct brown lines, which are distinguished by some blackish marks and end on the costa in four blackish spots; the adjoining spaces more white than the wings elsewhere. Hind wings with the exterior border angular. Length of the body 5 lines; of the wings 14 lines.

Canada. In Mr. D'Urban's collection.

MACARIA RETINOTATA.

Fœm. *Cinerea*; palpi oblique ascendentes, articulo 3o minimo; antennæ gracillima; alæ fusco conspersæ; anticæ acutæ, nigro conspersæ, fasciis quatuor pallide fusciscentibus, 2a nigricante biplagiata, punctis marginalibus nigris; posticæ lineis duabus pallide fuscis, margine exteriori subangulato.

Female. Cinereous. Palpi obliquely ascending, hardly extending beyond the front; third joint extremely short. Antennæ very slender. Legs smooth. Wings moderately broad, minutely speckled with pale brown. Fore wings acute, also minutely speckled with black; four irregular oblique pale brownish bands; first band distinguished by black speckles; third with two blackish patches, of which one is costal and the other discal, and the latter being intersected has a somewhat network appearance; discal points black; costa and exterior border very slightly convex, the latter very oblique. Hind wings with the interior and exterior lines pale brown, indistinct; exterior border slightly angular. Length of the body 4 lines; of the wings 14 lines.

a, b. Nova Scotia. From Lieut. Redman's collection.

MACARIA PROXANTHATA.

Mas. *Purpurascence-cinerea, subtus lutescens; caput rufescens; palpi porrecti, brevissimi; antennæ setulosæ, pubescentes; thorax antice ochraceus; tibiæ posticæ incrassatæ; alæ gutta discali lineisque duabus dentatis nigris; anticæ vix acutæ, linea media nigricante dentata indistincta interrupta, fascia exteriori ochracea, margine exteriori antico subexcavato.*

Male. Purplish cinereous, pale cinereous with a luteous tinge beneath. Head reddish. Palpi porrect, very short. Antennæ stout, minutely setulose and pubescent. Thorax ochraceous in front. Abdomen extending very little beyond the hind wings. Hind tibiæ incrassated. Wings minutely black-speckled, with a black discal dot; interior and exterior lines black, dentate, paler and less distinct in the hind wings; under side with the lines much more distinct. Fore wings hardly acute, with an indistinct incomplete blackish dentate middle line, and with an ochraceous band beyond the middle line; costa straight; exterior border slightly excavated in front. Hind wings with the exterior border entire. Length of the body 7 lines; of the wings 18 lines.

a. East Florida. Presented by E. Doubleday, Esq.

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MACARIA ? VITRIFERARIA.

Mas. *Pallide ochracea; palpi lati, breves; antennæ setulosæ, pubescentes; tibiæ posticæ non incrassatæ; alæ breviusculæ, ochraceo conspersæ, lineis tribus ochraceis, 2a 3aque extus pallido marginatis, lunulis marginalibus nigris; anticæ vix falcatæ, apice rotundatæ, linea interiore subundulata, litura vitrea convexa basali, margine exteriori recto.*

Male. Pale ochraceous. Palpi broad, extending very little beyond the head; third joint very minute. Antennæ very minutely setulose and pubescent. Abdomen not extending beyond the hind wings. Hind tibiæ not incrassated; spurs long. Wings rather short, ochraceous-speckled, with three oblique ochraceous lines; interior line almost straight; exterior and submarginal lines irregularly dentate, pale-bordered on the outer side; marginal lunules blackish, slender; interior angle prominent; under side with a submarginal ochraceous band. Fore wings rounded at the tips, hardly falcate, with an indistinct interior slightly undulating line; a convex vitreous mark in the basal part of the disk; costa and exterior border straight, the latter slightly oblique. Length of the body 4 lines; of the wings 10 lines.

Amazon Region. In Mr. Saunders' collection.

MACARIA ? ACUTARIA.

Mas. *Pallide flavescens-cervina, rufo conspersa; caput rufo fasciatum; antennæ setulosæ; thorax rufo fasciatus; abdominis latera albo marginata luteribus subfasciculatis; tibiæ posticæ non incrassatæ; alæ fasciis duabus purpurascens diffusis indistinctis; anticæ falcatæ, lituris anticis semihyalinis; posticæ acutæ angulatæ, fimbria antice nigris.*

Male. Pale yellowish fawn-colour, red-speckled, mostly yellow beneath. Head with a red band in front. Palpi short, mostly red, slightly ascending; third joint very minute. Antennæ very minutely setulose. Thorax with a red band in front. Abdomen not extending beyond the hind wings, with small tufts along each side; hind borders of the segments white. Hind tibiæ not incrassated; spurs moderately long. Wings with two diffuse incomplete and indistinct purplish bands, and with some black speckles; exterior line composed of a few blackish marks; under side with two ochraceous bands. Fore

wings falcate, with some semihyaline marks in front; interior and submarginal lines composed of a few blackish marks; costa and exterior border straight, the latter very oblique; marginal line blackish; under side with a white apical patch. Hind wings with the exterior border subcaudate or acutely angular, somewhat truncated hindward; fringe blackish in front. Length of the body 6 lines; of the wings 15 lines.

a. Parà. From Mr. Bates' collection.

MACARIA? LIBARIA.

Flavescens; alæ fusco dense conspersæ, lineis interiore et media rufis obliquis rectis apud costam angulatis, margine exteriori angulato; anticæ costa basi convexa; posticæ linea exteriori rufa.

Phalæna-Geometra Libaria, *Cram. Pap. Exot.* iv. 131, pl. 357, f. L, M.

Surinam.

MACARIA?? SUBORNATA.

Fœm. Testaceo-albida; vertex albus, nigro marginatus; palpi subpilosi, articulo 3o nigricante; alæ amplæ, nigro subconsersæ; anticæ peracutæ, annulo maximo antico ochraceo nigro-vario, annulo postico guttisque duabus discalibus nigris, costa basi subconvexa, margine exteriori inciso; posticæ margine exteriori dentato.

Female. Whitish, slightly tinged with testaceous. Vertex white, bordered with black in front. Palpi porrect, rather slender, slightly pilose, shorter than the breadth of the head; third joint blackish, conical, extremely minute. Wings ample, thinly black-speckled. Fore wings very acute, with a large ochraceous black-varied loop line, which extends from the costa to the disk, and is recurved thence to the costa; a large black ringlet on the interior border opposite the line; two black dots placed transversely in the disk near the exterior border, which is notched in the middle; costa slightly convex towards the base, slightly contracted exteriorly. Hind wings with an incomplete ochraceous middle line; exterior border dentate in the middle. Length of the body 6? lines; of the wings 18 lines.

a. Monte Video. Presented by C. Darwin, Esq.

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MACARIA INFIXARIA.

Fœm. *Alba, subtus ochraceo suffusa; caput ochraceum; thorax et abdomen cinerea; alæ fusco nigroque conspersæ, lineis duobus fuscis subdentatis subundulatis, fascia exteriori indistincta fuscescente ferrugineo plagiata subtus ochracea bene determinata, puncto discali nigro; anticæ acutæ; linea interiore fusca flexa; posticæ margine exteriori subangulato.*

Female. White, tinged with ochraceous beneath. Body cinereous. Head dull ochraceous. Palpi porrect, short; third joint very minute. Wings thickly brown and black-speckled; middle and exterior lines brown, slightly dentate and undulating; an indistinct pale brownish more exterior band, which partly extends to the exterior border, contains some ferruginous patches, and is deep ochraceous and very distinct on the under side; discal point black, rather large. Fore wings acute; interior line brown, bent; exterior line retracted towards the costa; marginal points black. Hind wings with a blackish marginal line; exterior border slightly truncated, slightly angular in the middle. Length of the body 6 lines; of the wings 16 lines.

Natal. In Mr. Saunders' collection.

MACARIA GNOPHOSATA.

Mas. *Subopalino-cinerea; caput fuscum; antennæ subpubescentes; tibiæ posticæ graciles; alæ integræ, punctis marginalibus nigris, fimbria nigricante notata, subtus albidæ conspersæ; anticæ vix acutæ, lineis quatuor nigris subundulatis, 2a, 3a 4aque interruptis; posticæ lineis tribus fuscescentibus, margine exteriori vix inciso.*

Male. Cinereous, slightly dove-coloured. Head and fore border of the thorax brown. Palpi porrect, very short. Antennæ very minutely pubescent. Abdomen not extending beyond the hind wings. Hind tibiæ slender; spurs long. Wings entire, with black marginal points; fringe with blackish marks; under side whitish, very thickly speckled. Fore wings blackish-speckled, hardly acute, with four black slightly undulating lines, of which the second, third and fourth are interrupted; costa straight, testaceous beneath. Hind wings with three brownish lines; exterior border very slightly festooned. Length of the body 5 lines; of the wings 14 lines.

a. Cape Town. From Mr. Trimen's collection.

MACARIA POSTVITTATA.

Fœm. *Cinerea, ochraceo vix suffusa; palpi brevissimi; alæ amplæ, fusco conspersæ, fascia submarginali pallide fusca, punctis marginalibus nigris, puncto discali nigro sat magno; anticæ acutæ, lineis duabus interioribus nigricantibus vix undulatis, linea media indistincta; posticæ lineis duabus exterioribus approximatis vix undulatis.*

Female. Cinereous, hardly tinged with ochraceous. Palpi very short. Wings ample, minutely brown-speckled, with a pale brown submarginal band; marginal points black; discal point blackish, rather large. Fore wings acute, with two interior very oblique hardly undulating blackish lines, which are slightly apparent in the hind wings; middle line more straight hindward. Hind wings with the middle line much broader and more distinct than it is in the fore wings; two exterior approximate hardly undulating lines; exterior border distinctly angular. Length of the body 7 lines; of the wings 18 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

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MACARIA STRENIATARIA.

Mas. *Albida, fusco varia; caput fuscum, albo bifasciatum; palpi porrecti, capitis latitudine vix breviores; antennæ setulosæ; tibiæ posticæ non incrassatæ; alæ nigricante conspersæ, lineis nonnullis rectis fuscis nigricante notatis, puncto discali lineaque marginali nigricantibus; anticæ acutæ, margine exteriori vix inciso; posticæ margine exteriori subflexo subinciso.*

Male. Whitish, varied with brown. Head brown, with two white bands. Palpi porrect, nearly as long as the breadth of the head; third joint conical, not more than one-fourth of the length of the second. Antennæ setulose. Abdomen extending a little beyond the hind wings. Hind tibiæ with four long spurs, not incrassated. Wings transversely blackish-speckled, with four or five irregular straight oblique brown lines, which contain some blackish spots and dots; these marks are largest in the hind wings; discal point and marginal festoon blackish. Fore wings acute; exterior border hardly notched. Hind wings with the exterior border slightly notched and bent. Length of the body 5—6 lines; of the wings 12—16 lines.

a, b. Punjaub. Presented by Sir J. Hearsay.

c. Hindostan. Presented by the Secretary of the India Board.

MACARIA? STRENUATARIA.

Mas et fœm. *Albido-cinerea, fusco conspersa, subtus subochracea; palpi lanceolati, capitis latitudine multo breviores; antennæ maris late pectinatæ; tibiæ posticæ non incrassatæ; alæ lineis duabus fuscis subparallelis vix undulatis, fasciis duabus interruptis fuscis; anticæ apice subrotundatæ, linea aut fascia basali, punctis marginalibus nigris; posticæ lunulis marginalibus nigris.*

Male and female. Whitish cinereous, brown-speckled, somewhat ochraceous beneath. Palpi porrect, somewhat lanceolate, much shorter than the breadth of the head. Antennæ of the male rather broadly pectinated, except towards the tips. Abdomen of the male extending a little beyond the hind wings. Hind tibiæ not incrassated. Wings transversely brown-speckled; interior and exterior lines brown, oblique, hardly undulating, nearly parallel, each accompanied by an incomplete brown band. Fore wings with a line or band near the base, slightly rounded at the tips: marginal points black; costa straight; exterior border convex, moderately oblique. Hind wings with black marginal lunules. Length of the body 5 lines; of the wings 12—16 lines.

- a, b.* South Hindostan. Presented by M. J. Walhouse, Esq.
- c.* Deccan. Presented by the Secretary of the India Board.
- d.* Hindostan. Presented by the Secretary of the India Board.
- e.* Ceylon. Presented by Dr. Templeton.

MACARIA? STRENUATA.

Mas. *Pallide testaceo-cinerea; palpi flexi, breves; antennæ pectinatæ, apice simplices; abdomen alas posticas longe superans; tibiæ posticæ incrassatæ; alæ robustæ, integræ, parvæ; anticæ apice subrotundatæ, fasciis tribus nigris antice cervinis, fascia exteriori cervina.*

Male. Pale cinereous, tinged with testaceous. Palpi bent, hardly extending beyond the head; third joint conical, minute. Antennæ moderately pectinated to full two-thirds of the length. Abdomen extending much beyond the hind wings. Hind tibiæ incrassated, with four very short spurs. Wings stout, entire, rather short and narrow. Fore wings slightly rounded at the tips, with three black oblique bands, which are fawn-coloured in front; a more

exterior fawn-coloured band; costa straight; exterior border hardly convex, slightly oblique. Hind wings with two fawn-coloured bands, the second slightly blackish-bordered on the inner side. Length of the body 6 lines; of the wings 12 lines.

a, b. Punjaub. Presented by Sir J. Hearsay.

MACARIA INTEGRATA.

Fœm. *Subochraceo-cinerea; palpi capitis latitudine multo breviores; pedes graciles; alæ integræ, fusco conspersæ, fascia exteriorè indistincta cervina lituras obscuriores includente, gutta discali nigricante, punctis marginalibus nigris; anticæ apice subrotundatæ; posticæ abdomen superantes.*

Female. Cinereous, slightly tinged with pale ochraceous. Palpi much shorter than the breadth of the head; third joint conical, not more than one-fourth of the length of the second. Legs smooth, slender; spurs long. Wings entire, transversely brown-speckled, with an exterior indistinct fawn-coloured band, which contains some darker marks; discal dot blackish; marginal points black; exterior border convex. Fore wings slightly rounded at the tips; costa straight; exterior border moderately oblique. Hind wings extending beyond the abdomen. Length of the body 4 lines; of the wings 12 lines.

a. South Hindostan. Presented by M. J. Walhouse, Esq.

MACARIA SUBTESSELLATA.

Mas. *Testacea; palpi breves, ascendentes; antennæ pubescentes; abdomen fusco bilineatum; tibiæ posticæ non incrassatæ; alæ integræ, lineis ferrugineis, 1a subrecta, 2a dentata, 3a angulata, 4a marginali tenui, venis ferrugineis, fimbria ferrugineo punctata; anticæ acutæ, linea interiorè angulata, macula fusca apud angulum interiorem; posticæ macula discali fusca.*

Male. Testaceous. Palpi ascending, not rising so high as the vertex; third joint very minute. Antennæ pubescent. Abdomen with two brown lines. Hind tibiæ with long spurs. Wings entire; veins and lines ferruginous; middle line nearly straight, more distinct than the exterior line, which is dentate; submarginal line angular, indistinct in the hind wings; marginal line narrow; fringe with ferruginous points. Fore wings acute, with an interior angular line, and with a brown spot by the interior angle; costa straight;

exterior border convex, slightly oblique. Hind wings with a brown discal spot, extending beyond the abdomen; interior angle prominent. Length of the body 4 lines; of the wings 12 lines.

a. Canara. Presented by the Secretary of the India Board.

MACARIA MYANDARIA.

Mas. *Cinerea, ochraceo tincta; alæ fusco conspersæ, lineis duabus fuscis rectis obliquis indeterminatis, 2a subduplicata, fascia adhuc exteriore informi fusca, gutta discali lineaque marginali obscure fuscis; posticæ margine exteriore dentato.*

Male. Cinereous, with an ochraceous tinge. Palpi short, porrect, pilose; third joint very minute. Wings minutely brown-speckled; interior and exterior lines brown, straight, oblique, very irregular; exterior line slightly double, contiguous to a more exterior irregular pale brown band, which is marked with dark brown and extends partly to the border; discal dot and marginal festoon dark brown. Fore wings acute; exterior border slightly convex. Hind wings with the exterior border largely dentate. Length of the body 6 lines; of the wings 14 lines.

a. Canara. Presented by the Secretary of the India Board.

MACARIA? FALSARIA.

Mas. *Albido-cinerea; caput subtestaceum; palpi fimbriati, capitis latitudine vix breviores, articulo 3o lanceolato; antennæ pectinatae; tibiæ posticæ vix incrassatae; alæ testaceo conspersæ, lineis tribus fuscis subrectis subparallelis; anticæ subacutæ; posticæ abdomen paullo superantes.*

Male. Whitish cinereous. Head and fore part of the thorax slightly testaceous. Palpi porrect, fringed, nearly as long as the breadth of the head; third joint lanceolate, about half the length of the second. Antennæ rather broadly pectinated, except towards the tips. Hind tibiæ hardly incrassated, with four spurs of unequal length. Wings thickly and transversely speckled with testaceous; interior, middle and exterior lines brownish, nearly straight and parallel. Fore wings slightly acute; costa straight; exterior border hardly convex, very oblique. Hind wings extending a little beyond the abdomen. Length of the body 4 lines; of the wings 12 lines.

a. Ceylon. Presented by Dr. Templeton.

MACARIA SINICARIA.

Mas. *Cinerea; caput fuscescens; palpi capitis latitudine multo breviores; antennæ pubescentes; abdomen alas posticas vix superans; tibiæ posticæ non incrassatæ; alæ integræ, fusco conspersæ, lineis fuscis, 1a 2aque vix undulatis, 2a 3aque connexis, 3a informi ex parte dilatata, lunulis marginalibus guttaque discali nigris; anticæ vix acutæ.*

Male. Cinereous. Head brownish. Palpi porrect, much shorter than the breadth of the head; third joint very small. Antennæ minutely pubescent. Abdomen extending very little beyond the hind wings. Hind tibiæ not incrassated; spurs long. Wings entire, brown-speckled; middle and exterior lines brown, hardly undulating, the latter darker than the former, retracted towards the costa of the fore wings; submarginal line dark brown, irregular, partly dilated and connected with the exterior line; marginal lunules and discal dot black; under side with a broad diffuse brownish submarginal band, which contains a whitish dot. Fore wings hardly acute; costa straight; exterior border slightly convex, rather oblique. Length of the body 5 lines; of the wings 12 lines.
a—c. China. Presented by G. T. Laye, Esq.

MACARIA BREVIUSCULATA.

Fœm. *Cinerea, fusco conspersa, subtus ochracea; caput fuscescens; alæ integræ, fasciis duabus ochraceis vix undulatis antice retractis, fascia submarginali diffusa obscure cinerea, puncto discali lunulisque marginalibus nigris, fimbria cinereo guttata; anticæ acutæ; posticæ margine exteriori subflexo.*

Female. Cinereous, brown-speckled, with a slight pearly tinge, mostly ochraceous beneath. Head brownish. Palpi shorter than the breadth of the head; third joint conical, minute. Wings entire, with two ochraceous oblique hardly undulating lines, which are retracted towards the costa of the fore wings; a dark cinereous diffuse submarginal band, which is ferruginous beneath; discal point and marginal lunules black; fringe with dark cinereous dots. Fore wings acute. Hind wings with the exterior border slightly bent in the middle. Length of the body 4—4½ lines; of the wings 11—12 lines.

a, b. China. Presented by G. T. Laye, Esq.

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MACARIA? LUCIDATA.

Mas. *Flavescente-cinerea; caput fusco fasciatum; palpi lati; antennæ pubescentes; tibiæ posticæ incrassatæ, bicalcaratæ; alæ dimidio basali subhyalino, linea exteriori recta fusca, linea adhuc exteriori pallidiore, spatio marginali cervino plagam flavam includente; anticæ falcatæ, apice rotundatæ, costâ fusco et ochraceo notata, margine exteriori subangulato; posticæ margine exteriori dentato.*

Male. Yellowish cinereous. Head with a brown band in front. Palpi broad, extending a little beyond the head; third joint extremely minute. Antennæ very minutely pubescent. Abdomen not extending beyond the hind wings. Hind tibiæ incrassated, with two short apical spurs. Wings slightly hyaline from the base to the straight oblique exterior brown line, which is accompanied by a paler and more exterior brown line; space from the line to the exterior border fawn-colour, including a pale yellow patch in each wing. Fore wings falcate, rounded at the tips; costa straight, with some brown and ochraceous marks; exterior border very oblique, concave in front of the slight middle angle, blackish-shaded hindward. Hind wings with the exterior border deeply dentate. Length of the body 7 lines; of the wings 20 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

MACARIA TETRAGONATA.

Mas. *Subcervino-cinerea; caput fuscum; palpi brevissimi, oblique ascendentes; antennæ pectinatæ; tibiæ posticæ incrassatæ, calcaribus brevissimis; alæ amplæ, linea media fusca, lineis interiore et exteriori punctularibus punctisque marginalibus nigris; anticæ acutæ, gutta subapicali nigra elongata, margine exteriori subangulato; posticæ margine exteriori angulato vix dentato.*

Male. Cinereous, very slightly tinged with fawn-colour. Head brown. Palpi very short, obliquely ascending; third joint extremely minute. Antennæ rather broadly pectinated to nearly three-fourths of the length. Abdomen not extending beyond the hind wings, with a small radiating apical tuft. Hind tibiæ incrassated; spurs very short. Wings ample, with an oblique brown middle line, which is

indistinct and slightly undulating in the fore wings, but straight and darker in the hind wings; interior and exterior lines composed of black points; a few black marginal points. Fore wings acute, with a black elongated subapical dot; exterior border very oblique hindward, slightly angular in front, between which and the tips it is slightly concave. Hind wings with the exterior border slightly scolloped, very distinctly angular. Length of the body 7 lines; of the wings 10 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

MACARIA AQUILARIA.

Mas. *Testaceo-albida; caput antice fuscum; palpi caput vix superantes; antennæ late pectinatæ; alæ linea exteriore fusca recta lineaque adhuc exteriore pallidiore undulata dentata ex parte contiguâ, linea submarginali subobsoleta nigro punctata, fimbria fuscescente; anticæ elongatæ, subfalcatæ, acutæ; posticæ margine exteriore subangulato subdentato.*

Male. Testaceous-whitish, rather stout. Head in front and band of the thorax brown. Palpi porrect, hardly extending beyond the head. Antennæ broadly pectinated, except towards the tips. Abdomen extending a little beyond the hind wings. Wings with a brown straight oblique exterior line, which is partly contiguous to an undulating dentate paler and more exterior line, the latter is much more distinct on the under side; submarginal line almost obsolete, accompanied by a few black points; fringe brownish; discal point black. Fore wings elongated, acute, subfalcate, with a subcostal brown stripe, which is dilated at the base; discal point lunulate; costa and exterior border straight, the latter very oblique. Hind wings with the exterior border slightly notched and angular. Length of the body 7 lines; of the wings 18 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

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MACARIA FRONTARIA.

Mas. *Albida; fasciculus frontalis porrectus; antennæ serratæ; tibiæ posticæ non incrassatæ; alæ amplæ, fusco subconspersæ, basi margine exteriore fascisque duabus indistinctis interruptis pallide ochraceis, litura discali ochracea elongata nigro mar-*

ginata; anticæ elongatæ, apice subrotundatæ, striga costali subapicali ochracea nigro marginata, margine exteriori subangulato; posticæ margine exteriori angulato subinciso.

Male. Whitish, mostly pale cinereous beneath. Frontal tuft prominent. Palpi porrect, much shorter than the breadth of the head; third joint conical, minute. Antennæ distinctly serrated. Abdomen not extending beyond the hind wings. Hind tibiæ not incrassated. Wings ample, thinly and minutely brown-speckled, slightly tinged with pale ochraceous at the base and along the exterior border, and with two incomplete and indistinct pale ochraceous bands; discal mark ochraceous, elongated, black-bordered, much larger in the fore wings than in the hind wings. Fore wings elongated, somewhat rounded at the tips, with a short ochraceous black-bordered streak near the tip of the costa; costa hardly convex; exterior border slightly concave in front, slightly angular in the middle. Hind wings with the exterior border more distinctly angular and slightly notched. Length of the body 6 lines; of the wings 16 lines.

a. Tasmania. From the Entomological Society's collection.

MACARIA PANAGRARIA.

Mas. *Pallide cinereo-cervina, subtus ochracea; palpi pilosi, breves; antennæ serratæ, setulosæ; abdomen e punctis fuscis bilineatum; tibiæ posticæ non incrassatæ; alæ latæ, nigricante conspersæ, linea exteriori ochracea diffusa subrecta antice fusca; anticæ apice subrotundatæ, litura discali fusca nigro marginata, margine exteriori antico subconcavo; posticæ margine exteriori subangulato.*

Male. Pale cinereous fawn-colour, mostly ochraceous beneath. Palpi pilose, porrect, much shorter than the breadth of the head; third joint very minute. Antennæ stout, serrate, setulose. Abdomen with two rows of brown points. Hind tibiæ not incrassated; spurs moderately long. Wings broad, minutely blackish-speckled; exterior line dull ochraceous, diffuse, nearly straight, indistinct, except towards the costa of the fore wings, where it is brown. Fore wings slightly rounded at the tips, with an elongated brown black-bordered discal mark; costa straight; exterior border moderately oblique, slightly concave in front. Hind wings extending beyond the abdomen; exterior border slightly angular. Length of the body 6 lines; of the wings 16 lines.

Tasmania. In Mr. Saunders' collection.

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MACARIA REDUCTARIA.

Mas. *Cinerea, fusco conspersa; palpi fuscescentes, breves; antennæ setulosæ; tibiæ posticæ subincrassatæ; alæ integræ, lineis duabus fuscis, 2a interrupta indistincta, lunulis marginalibus fuscis; anticæ apice rotundatæ, annulo discali fusco; posticæ gutta discali fusca.*

Male. Cinereous, brown-speckled. Palpi brownish, short. Antennæ minutely setulose. Hind tibiæ slightly incrassated, with four short spurs. Wings entire, moderately broad; interior and exterior lines brown, the latter incomplete and indistinct; discal dot brown, largest in the fore wings, where it forms a ringlet; marginal lunules brown. Fore wings somewhat rounded at the tips; exterior border slightly convex, very oblique. Length of the body 4 lines; of the wings 9 lines.

a. ——— ? From Mr. Milne's collection.

MACARIA DETERMINATARIA.

Fœm. *Subochraceo-cinerea, fusco conspersa; palpi caput perpaullo superantes; alæ lineis duabus ferrugineis, 2a subflexa, linea marginali ferruginea, puncto discali maculaque submarginali nigris; anticæ apice rotundatæ, linea basali ferruginea tenui vix undulata; posticæ margine exteriori angulato.*

Female. Cinereous, minutely brown-speckled, with a very slight ochraceous tinge, which hue is most prevalent on the under side. Palpi extending very little beyond the head; third joint very minute. Wings with two oblique ferruginous lines; interior line straight, broader than the exterior line, which is slightly bent; marginal line ferruginous; a black discal point and a black spot in the disk near the exterior border. Fore wings somewhat rounded at the tips, with a slender hardly undulating ferruginous line near the base; costa straight; exterior border slightly convex, moderately oblique. Hind wings extending a little beyond the abdomen; exterior border acutely angular in the middle. Length of the body $4\frac{1}{2}$ lines; of the wings 15 lines.

a. ——— ?

MACARIA ?? SUBCINCTARIA.

Mas et fœm. *Pallide fuscescente-cinerea, subtus subochracea; palpi lati, caput perpaullo superantes; antennæ maris pubescentes; alæ fusco conspersæ, lineis quatuor fuscescentibus subrectis subparallelis, 4a submarginali, punctis marginalibus nigris; anticæ acutæ; posticæ margine exteriori convexo integro.*

Male and female. Pale brownish cinereous, slightly ochraceous beneath. Palpi porrect, broad, extending very little beyond the head; third joint conical, very minute. Antennæ of the male pubescent. Wings moderately broad, minutely brown-speckled, with four oblique nearly straight and parallel brownish lines, of which the fourth or submarginal one is less distinct than the others; marginal points black, minute; fringe paler at the base. Fore wings acute; exterior border slightly convex, rather oblique. Hind wings with the exterior border convex, entire. Length of the body $4\frac{1}{2}$ —5 lines; of the wings 12 lines.

a. ———? From Mr. Milne's collection.

b. ———?

MACARIA EXSUPERATA.

Mas. *Fuscescente-cinerea; palpi breves, subascendentes; antennæ pectinatæ, breviusculæ; tibiæ posticæ vix incrassatæ; alæ fusco conspersæ, lineis duabus fuscis, 1a diffusa indistincta, 2a undulata dentata, spatio marginali ex parte fusco, gutta discali nigricante; anticæ acutæ, gutta subapicali albida, margine exteriori vix flexo; posticæ margine exteriori subangulato subdentato.*

Male. Brownish cinereous. Proboscis slender. Palpi slightly ascending, much shorter than the breadth of the head; third joint extremely short. Antennæ rather short, broadly pectinated. Abdomen not extending beyond the hind wings. Hind tibiæ hardly incrassated, with four long spurs. Wings brown-speckled; interior and exterior lines brown; the first diffuse and indistinct; the latter undulating and dentate; marginal space partly shaded with brown, especially so in the fore wings; marginal line and discal dot blackish. Fore wings acute, with a subapical whitish dot; costa straight; exterior border hardly bent. Hind wings with the exterior border very slightly dentate and angular. Length of the body 6 lines; of the wings 18 lines.

a. ———?

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Genus PETRODAVA.

Mas. Corpus vix robustum. Fasciculus frontalis productus. Proboscis mediocris. Palpi breves, angulati, oblique ascendentes, verticem non superantes; articulus 3us lanceolatus, decumbens. Antennæ sat late pectinatæ. Tibiæ anticæ penicillatæ; posticæ quadricarcatæ. Alæ amplæ; anticæ acutæ; posticæ apice truncatæ, margine exteriore dentato.

Male. Body hardly stout. Frontal tuft prominent. Proboscis moderately long. Palpi short, obliquely ascending, not rising higher than the vertex; third joint lanceolate, decumbent, about half the length of the second, with which it forms a nearly acute angle. Antennæ rather broadly pectinated. Legs smooth; fore tibiæ with a long penicillate tuft; hind tibiæ with four very long spurs. Wings ample. Fore wings acute; costa straight; exterior border curved, rather oblique. Hind wings truncated at the tips; exterior border dentate, the notches diminishing towards the interior angle.

PETRODAVA ALBOSIGNATA.

Mas. *Cervina*; palpi apice albidi; pedes albo subconspersi, genubus albis, calcaribus albo fasciatis; alæ rufescente conspersæ, linea exteriore rufescente subrecta, spatio marginali subtus saturatiore, fimbria albo notato; anticæ macula subtus apicali albida.

Male. Fawn-colour. Palpi whitish towards the tips. Legs slightly speckled with white; knees white; spurs with white bands. Wings transversely and thickly reddish-speckled; the speckles partly confluent; exterior line reddish, nearly straight, most distinct on the under side, where the marginal space is deeper red. Fore wings with the fringe white in front; under side with a whitish apical spot. Hind wings with a few white marks on the fringe. Length of the body 7? lines; of the wings 18 lines.

a. ———? Presented by E. Doubleday, Esq.

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TEPHRINA ARTESIARIA.

a—c. Europe. From Dr. Herrich-Schæffer's collection.

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TEPHRINA ARENACEARIA.

a. Europe. From Dr. Herrich-Schæffer's collection.

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TEPHRINA EXPRESSARIA.

Mas. *Cinerea*; caput nigricante fasciatum; palpi breves, lati, extus nigricantes; antennæ late pectinatæ; tibiæ posticæ incrassatæ, calcaribus brevissimis; alæ fuscescens subconspersæ, lineis tribus nigricantibus undulatis vix dentatis apud costam dilatatis, linea submarginali albida angulosa, punctis marginalibus nigris, annulo discali fusco; anticæ apice rotundatæ.

Male. Cinereous. Head with a narrow blackish band in front. Palpi short, broad, blackish on the outer side; third joint very minute. Antennæ broadly pectinated, except towards the tips. Hind tibiæ incrassated; spurs very short. Wings thinly and minutely brownish-speckled; interior, middle and exterior lines blackish, undulating, hardly dentate, retracted and dilated towards the costa of the fore wings; submarginal line whitish, zigzag; marginal points black; discal ringlet elongated, brown-bordered; under side with a brown discal streak and a brown submarginal band, which is obsolete in the hind wings. Fore wings somewhat rounded at the tips; exterior border slightly convex, very oblique. Length of the body 5 lines; of the wings 14 lines.

a. Nova Scotia. From Lieut. Redman's collection.

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TEPHRINA SIGNATARIA.

Mas. *Cinereo-fuscens*; caput nigricante fasciatum; palpi nigricantes, articulo 3o cinereo minimo; abdomen punctis nigricantibus bilineatum; tibiæ posticæ subincrassatæ; alæ elongatæ, fusco conspersæ, lineis tribus fusciscentibus denticulatis indistinctis nigro punctatis, puncto discali punctisque marginalibus nigris; anticæ apice subrotundatæ; posticæ subdentatæ.

Male. Cinereous, brownish cinereous beneath. Head with a broad blackish band in front. Palpi blackish, extending a little

beyond the head; third joint cinereous, very minute. Abdomen with two rows of blackish points, not extending beyond the hind wings. Hind tibiæ slightly incrassated; spurs long. Wings elongate, with minute brown speckles, which are most prevalent along the borders; interior, exterior and submarginal lines brownish, denticulated, indistinct, but accompanied by conspicuous black points; discal point and marginal points black. Fore wings slightly rounded at the tips; submarginal point partly double; exterior border slightly convex, rather oblique. Hind wings slightly dentate. Length of the body $4\frac{1}{2}$ lines; of the wings 13 lines.

Brazil. In Mr. Saunders' collection.

TEPHRINA RESPONSARIA.

Mas. *Cinerea*; *caput antice fuscescens*; *palpi brevissimi*; *antennæ pectinatæ*; *abdomen guttis nigricantibus bivittatum*; *alæ elongatæ, fuscescente conspersæ, lineis duabus fuscescentibus denticulatis indistinctis nigro punctatis, nebulis nigricantibus exterioribus lineam submarginalem denticulatam pallide cineream includentibus, puncto discali punctisque marginalibus nigris*; *anticæ vix acutæ*.

Male. Cinereous. Head brownish in front. Palpi very short. Antennæ moderately pectinated. Abdomen with two rows of blackish dots, not extending beyond the hind wings. Wings elongated, brownish-speckled, more dingy beneath; interior and exterior lines brownish, denticulated, indistinct, accompanied by some black points, of which the interior line contains very few; submarginal line pale cinereous, denticulated, intersecting some blackish cloudy marks; discal point and marginal points black. Fore wings hardly acute; costa straight; exterior border slightly convex, very oblique. Length of the body 5 lines; of the wings 16 lines.

Brazil. In Mr. Saunders' collection.

TEPHRINA? SERRILINEARIA.

Mas. *Cinerascente-subochracea*; *antennæ pectinatæ*; *alæ puncto discali nigro, lineis duabus exterioribus fuscis denticulatis, fimbria pallida*; *anticæ linea interiore denticulata*.

Semaecopus serrilinearia, Herr.-Sch. *Exot. Schm.* pl. 59, f. 327.

Brazil.

TEPHRINA ? ALBIPUNCTATA.

Mas. *Pallide testacea ; palpi graciles, ascendentes ; antennæ setulosæ ; tibiæ posticæ incrassatæ ; alæ latiusculæ, lineis tribus obscurioribus valde indistinctis, puncto discali nigro, linea submarginali et punctis nigris albo notatis ; anticæ margine exteriori vix flexo ; posticæ margine exteriori subflexo.*

Male. Pale testaceous, paler beneath. Palpi slender, ascending, not rising so high as the vertex ; third joint acute, very minute. Antennæ very minutely setulose. Abdomen hardly extending beyond the hind wings ; apical tuft small. Hind tibiæ incrassated, with four long spurs. Wings rather broad, with three very indistinct darker lines ; discal point black ; a submarginal row of black white-marked points. Fore wings acute ; exterior border hardly bent, very slightly oblique. Hind wings with the exterior border slightly bent. Length of the body 6 lines ; of the wings 16 lines.

Brazil. In Mr. Saunders' collection.

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TEPHRINA ? MEDARDARIA.

Mas. *Cinerascente-carnea ; antennæ pectinatæ ; alæ conspersæ, lineis duabus obscurioribus, 1a subrecta, 2a denticulata, punctis marginalibus nigris ; anticæ puncto discali nigro ; posticæ puncto discali albo.*

Petelia medardaria, Herr.-Sch. Exot. Schm. pl. 94, f. 534.

Hindostan.

TEPHRINA DECURSARIA.

Fœm. *Albida ; caput et thorax anticus ex parte cinereo-fusca ; palpi breves, lati, pilosi ; alæ breviusculæ, latiusculæ, fusco subconsersæ, lineis quatuor nigricantibus subdentatis subundulatis, fasciis exteriori et submarginali fuscescentibus interruptis, puncto discali lineaque marginali nigricantibus ; anticæ apice rotundatæ, fascia interiori fuscescente, fimbria fusco notata.*

Female. Whitish. Head and fore part of the thorax varied with cinereous-brown. Palpi short, broad, pilose, extending beyond the head ; third joint extremely minute. Wings slightly brown-speckled, rather short and broad, with four blackish nearly upright

slightly dentate and undulating lines, of which the first is obsolete in the hind wings; exterior and submarginal bands brownish, very incomplete; discal point and marginal festoon blackish; under side with a brown middle line and a very broad brown submarginal band. Fore wings somewhat rounded at the tips, with an interior brownish band; costa straight; exterior border convex, very slightly oblique; fringe marked with brown. Hind wings extending a little beyond the abdomen. Length of the body 4 lines; of the wings 12 lines. Sarawak, Borneo. In Mr. Saunders' collection.

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STRENIA? LEGATARIA.

Phasiane legataria, *Herr.-Sch. Eur. Schm.* f. 488.

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APLASTA ONONARIA.

a—d. Europe. From Dr. Herrich-Schæffer's collection.

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LOZOGRAMMA SUBÆQUARIA.

Fœm. *Albido-cinerea, ochraceo subtineta, nigricante conspersa; tibiæ posticæ subincrassatæ; alæ linea marginali tenui fusca, fimbria fusco interlineata; anticæ acutæ, lineis duabus obliquis albidis intus fusco marginatis.*

Female. Whitish cinereous, minutely blackish-speckled, slightly ochraceous-tinged. Hind tibiæ slightly incrassated. Wings with a slender brown marginal line; fringe interlined with brown. Fore wings acute, with two oblique whitish lines, which are diffusedly brown-bordered on the inner side; interior line straight; exterior line very slightly undulating. Length of the body $5\frac{1}{2}$ lines; of the wings 16 lines.

Canada. In Mr. D'Urban's collection.

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PANAGRA SECRETATA.

Mas. *Cervina, subtus cinerea; palpi obscuriores, apice albidis, capitis latitudine non breviores; antennæ pectinatæ; alæ nigro*

conspersæ, linea exteriorè cinerea recta indistincta, gutta discali punctisque marginalibus nigris; anticæ acutæ.

Male. Fawn-colour, mostly cinereous beneath. Palpi darker, rostriform, whitish at the tips, as long as the breadth of the head; third joint extremely small. Antennæ moderately pectinated, except at the tips. Abdomen not extending beyond the hind wings. Wings black-speckled; discal dot black, small; an indistinct straight oblique cinereous exterior line; marginal points black. Fore wings acute; costa straight; exterior border slightly convex, moderately oblique. Length of the body 5 lines; of the wings 12 lines.

a. South Africa. From Mr. Trimen's collection.

PANAGRA? COGITATA.

Mas. *Subfuscescente-cinerea; caput cervinum; palpi fimbriati, subflexi, capitis latitudine breviores; antennæ late pectinatæ; alæ nigro conspersæ, puncto discali nigricante, linea exteriorè fuscescente recta diffusa vix conspicua; anticæ vix acutæ; posticæ latiusculæ.*

Male. Cinereous, with an indistinct brownish tinge. Head and fore part of the thorax fawn-colour. Palpi porrect, fringed, slightly bent, shorter than the breadth of the head; third joint about one-third of the length of the second. Antennæ rather broadly pectinated; branches pubescent. Wings minutely black-speckled; discal point blackish; a brownish diffuse oblique straight hardly visible exterior line. Fore wings hardly acute; exterior border very oblique. Hind wings rather broad. Length of the body 6 lines; of the wings 16 lines.

a. South Africa. Presented by Sir A. Smith.

PANAGRA? PUSTULARIA.

Mas. *Pallide cinerea; vertex nigro punctatus; palpi graciles, flexi, capitis latitudine non breviores, articulo 3o lanceolato; antennæ breviusculæ, subpectinatæ; thorax nigro bipunctatus; abdomen subtestaceum, guttis dorsalibus nigris; pedes breviusculi; alæ anticæ apice rotundatæ, punctis duobus basalibus nigris, linea interiorè e punctis quatuor nigris, fascia exteriorè valde interrupta e strigis nigricantibus, punctis submarginalibus et marginalibus fuscis; posticæ subtestaceæ, lituris nullis.*

Male. Pale cinereous. Vertex with a black point; frontal tuft prominent. Palpi porrect, slender, bent, as long as the breadth of the head; third joint lanceolate, blackish, fully as long as the second. Antennæ rather short, slightly pectinated. Thorax with a black point on each of the tegulæ. Abdomen slightly testaceous, with a black dot on each segment. Legs smooth, rather short; hind tibiæ with four moderately long spurs. Fore wings somewhat rounded at the tips, with an interior line composed of four black points, and with two black basal points; exterior band widely interrupted, composed of a few short broad blackish streaks; submarginal and marginal points brown; costa and exterior border slightly convex. Hind wings slightly testaceous, without markings. Length of the body 6 lines; of the wings 16 lines.

This species may form a new genus.

a. Cape Town. From Mr. Trimen's collection.

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PANAGRA BARATA.

Fœm. Alba; caput antice ferrugineo-fuscum; palpi capitis latitudine breviores, articulo 3o lineari; alæ amplæ, elongatæ, linea exteriorè fuscescente recta, puncto discali nigricante, punctis marginalibus nigris; anticæ acutæ; posticæ linea submarginali fuscescente indistincta.

Female. White. Head in front and palpi dark ferruginous-brown. Palpi rather shorter than the breadth of the head; third joint linear, much more slender than the second, and about half its length. Wings elongate, ample; exterior line brownish, straight, extending from the middle of the interior border of the hind wings nearly to the tips of the fore wings, towards which it is bent inwards; marginal points black; discal point blackish, most distinct on the under side. Fore wings acute; costa straight; exterior border slightly convex, very oblique. Hind wings with an indistinct straight submarginal brownish line. Length of the body 7 lines; of the wings 20 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

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PANAGRA BIJUGATA.

Fœm. *Nigra; palpi subtus albidī, capitis latitudine non breviores; abdomen segmentorum marginibus ventreque albidis; alæ anticæ albo subconspersæ, apice subrotundatæ, fascia flavescēte-alba antice furcata, lineis duabus exterioribus antice abbreviatis postice connexis, strigis tribus ochraceis clavatis duabusque cyaneo-albis subapicalibus; posticæ flavescēte-albæ, macula discali plagaque marginali nigris.*

Female. Black. Palpi porrect, rostriform, acute, whitish beneath, full as long as the breadth of the head. Thorax and fore wings slightly and minutely white-speckled. Abdomen mostly whitish beneath; segments with whitish hind borders. Legs smooth; hind tibiæ with four moderately long spurs. Fore wings slightly rounded at the tips, with an upright yellowish white band, which is forked in front, and with two exterior white lines, which are abbreviated in front and are connected on the interior angle; three ochraceous clavate streaks and two bluish white streaks behind the apical part of the costa; under side with a broader band, and with a white spot behind the ochraceous lines. Hind wings yellowish white, with a blackish discal spot and a blackish marginal patch; the latter bounded on the inner side by a black line, which diverges from it hindward. Length of the body 6 lines; of the wings 16 lines.

a. Sydney. From Mr. Diggles' collection.

PANAGRA? MIXTARIA.

Fœm. *Cinerea, nigro conspersa; palpi lati, pilosi, corporis latitudine multo longiores, articulo 3o brevissimo; abdomen nigro punctatum; alæ punctis marginalibus elongatis nigricantibus; anticæ acutæ, lineis plurimis diffusis denticulatis nigro punctatis ex parte dilatatis; posticæ linea exteriori e punctis nigricantibus, linea submarginali angulosa pallide cinerea.*

Female. Cinereous, minutely black-speckled. Palpi porrect, broad, pilose, much longer than the breadth of the head; third joint conical, acute, not more than one-eighth of the length of the second. Abdomen with a row of black points, not extending beyond the hind wings. Legs smooth; hind tibiæ with four long spurs. Wings moderately broad, with elongated blackish marginal points; fringe long. Fore wings acute, with many denticulated diffuse oblique

lines, which form black points on the veins, and are here and there dilated into dots or spots; costa hardly convex; exterior border slightly convex, rather oblique. Hind wings with an exterior line of elongated blackish points on the veins; marginal space a little darker than the ground hue, including the pale cinereous zigzag submarginal line. Length of the body $4\frac{1}{2}$ lines; of the wings 12 lines.

a. Tasmania. Presented by Dr. Milligan.

PANAGRA CURTARIA.

Fœm. *Pallidissime cervina; palpi breves, subangulati, oblique ascendentes; tibiæ posticæ sat validæ; alæ vix elongatæ, punctis marginalibus nigris; anticæ acutæ, rufescente conspersæ, costa nigricante conspersa; posticæ subcervino-albidæ.*

Female. Very pale fawn-colour, moderately stout. Palpi short, obliquely ascending, extending very little beyond the head; third joint minute, conical, forming a slight angle with the second. Antennæ slender. Abdomen, hind wings and under side whitish, very slightly tinged with fawn-colour. Legs smooth; hind tibiæ rather thick, with four moderately long spurs. Wings moderately broad, hardly elongate, with black marginal points. Fore wings acute, very minutely reddish-speckled; costa straight, with very minute blackish speckles; exterior border very slightly convex, moderately oblique. Hind wings not extending beyond the abdomen. Length of the body 5 lines; of the wings 15 lines.

a. Australia. From Mr. Milne's collection.

PANAGRA MULTIFILARIA.

Fœm. *Subcervino-cinerea; palpi pilosi, subrostriformes, subangulati, capitis latitudine vix breviores, articulo 3o longiconico; alæ subelongatæ, lineis plurimis obscurioribus diffusis subobsoletis; anticæ acutæ, gutta discali nigra; posticæ pallidiores, abdomen superantes.*

Female. Cinereous, with a slight tinge of fawn-colour. Frontal tuft prominent, acute. Palpi porrect, pilose, connected, subrostriform, nearly as long as the breadth of the head; third joint elongate-conical, less than half the length of the second, with which it forms a slight angle. Antennæ slender. Wings slightly elongated, with very numerous diffuse nearly obsolete slightly darker lines. Fore

wings acute, with a black discal dot; costa straight; exterior border hardly convex, rather oblique. Hind wings paler than the fore wings, extending beyond the abdomen. Length of the body 5 lines; of the wings 16 lines.

Tasmania. In Mr. Saunders' collection.

PANAGRA REVULSARIA.

Fœm. *Cinereo-cervina*; *palpi breves, rostriformes*; *antennæ setulosæ, sat validæ*; *alæ anticæ subfalcatæ, lineis plurimis obscurioribus vix undulatis postice apud maculam nigricantem approximatis, maculis tribus costalibus cervinis subtrigonis, macula apicali nigricante*; *posticæ cinerascens*.

Female. Cinereous fawn-colour. Palpi short, rostriform. Antennæ rather stout, minutely setulose. Legs slender; spurs long. Fore wings acute, subfalcate, with several hardly undulating slightly darker lines, which converge to a blackish spot on the interior border; costa straight, with three fawn-coloured somewhat triangular spots, and with a blackish apical spot; exterior border convex, moderately oblique. Hind wings more cinereous, extending a little beyond the abdomen. Length of the body 4 lines; of the wings 12 lines.

a. Australia.

PANAGRA DENTIGERARIA.

Fœm. *Nigricante-cinerea*; *palpi pilosi, capitis latitudine multo breviores*; *alæ anticæ ferrugineo subinctæ, vix acutæ, lineis sex denticulatis diffusis, gutta discali lunulisque marginalibus nigris*; *posticæ obscure cinereis, lineis duabus exterioribus obscurioribus subobsoletis*.

Female. Blackish cinereous. Palpi porrect, pilose, slightly rostriform, much shorter than the breadth of the head. Antennæ slender. Abdomen, hind wings and under side dark cinereous. Fore wings hardly acute, very slightly tinged with ferruginous, with six black denticulated somewhat diffuse lines; sixth line broader than the others; transverse discal dot and marginal lunules black; costa straight; exterior border slightly convex, rather oblique. Hind wings extending beyond the abdomen, with two darker exterior almost obsolete lines. Length of the body 4 lines; of the wings 12 lines.

a. Sydney. From Mr. Lambert's collection.

PANAGRA PROMELANARIA.

Mas. *Cinerea*; *caput antice nigrum*; *palpi pilosissimi, disjuncti, capitis latitudine non breviores, articulo 3o parvo*; *antennæ pubescentes*; *alæ latæ, puncto discali, linea exteriorè punctulari punctisque marginalibus nigris*; *anticæ acutæ*.

Male. Cinereous, slender, paler beneath. Head black in front. Palpi porrect, acute, very thickly pilose, apart from each other, as long as the breadth of the head; third joint minute. Antennæ very minutely pubescent. Legs smooth, slender; hind tibiæ with four long spurs. Wings broad, with black marginal points, with an exterior slightly curved line of black points, and with a black discal point. Fore wings acute; costa hardly convex; exterior border slightly convex, rather oblique. Hind wings extending very little beyond the abdomen. Length of the body 5 lines; of the wings 14 lines.

a. New Zealand. Presented by Dr. Sinclair.

PANAGRA VENIPUNCTATA.

Mas. *Cervina*; *palpi disjuncti, capitis latitudine paullo longiores*; *antennæ late pectinatæ*; *alæ lineis plurimis obscurioribus indistinctis subrectis subparallelis, punctis submarginalibus et marginalibus nigris*; *anticæ acutæ, fascia media recta subobscuriore, venis nigro punctatis*.

Male. Fawn-colour, cinereous beneath. Palpi not conniving, rather longer than the breadth of the head. Antennæ broadly pectinated, except towards the tips. Wings with several indistinct darker nearly straight and parallel lines; a row of submarginal blackish dots; marginal points black. Fore wings acute, with an oblique straight slightly darker middle band; veins with black points; exterior border straight, rather oblique. Length of the body 4 lines; of the wings 12 lines.

a. New Zealand. Presented by Col. Bolton.

PANAGRA BIOCELLARIA.

Fœm. *Pallide cinerea*; *caput ferrugineum*; *palpi disjuncti, sat graciles, capitis latitudine breviores*; *antennæ subsetulosæ*; *alæ amplæ, ferrugineo subinctæ, fusco conspersæ, linea exte-*

riore fuscescente indistincta postice dentata, punctis submarginalibus nigris; anticæ subfalcatae, fascia apud marginem interiorem ochracea fusco marginata, fimbria fusca; posticæ fascia marginali subochracea.

Female. Pale cinereous. Head ferruginous. Palpi rather slender, apart from each other, rather shorter than the breadth of the head; third joint a little shorter than the second. Antennæ very minutely setulose. Wings very ample, minutely brown-speckled, very slightly tinged with pale ferruginous; exterior line brownish, indistinct, nearly straight in the fore wings, dentate in the hind wings, distinct beneath; submarginal points black; under side with a blackish discal streak. Fore wings acute, subfalcate, with an ochraceous brown-bordered spot on the interior border; fringe brown; costa and exterior border straight. Hind wings extending much beyond the abdomen, with a dull ochraceous marginal band. Length of the body 6 lines; of the wings 20 lines.

a. ——— ? From Mr. Milne's collection.

Page 1014.

PLOSERIA DIVERSATA.

a. Europe. From Dr. Herrich-Schæffer's collection.

Page 1015.

NUMERIA CAPREOLARIA.

a, b. Europe. From Dr. Herrich-Schæffer's collection.

Page 1017.

NUMERIA INCEPTARIA.

Mas. *Cinerea, gracilis, fusco conspersa; antennæ pectinatae; alæ linea marginali tenui nigricante; anticæ vix acutæ, lineis duabus nigricantibus undulatis subobliquis, linea submarginali fusca diffusa indistincta, lunula disculi parva nigricante.*

Male. Cinereous, slender, minutely brown-speckled. Antennæ rather broadly pectinated. Wings with a slender blackish marginal line. Fore wings hardly acute, with two slight oblique undulating blackish lines, and with a diffuse and indistinct submarginal brown line; discal lunule small, blackish. Hind wings with two somewhat

diffuse brown lines. Length of the body 5 lines; of the wings 12 lines.

Canada. In Mr. D'Urban's collection.

Page 1022.

SCODIONA CONSPERSARIA.

a. Europe. From Dr. Herrich-Schæffer's collection.

Page 1024.

SCODIONA ? RAUNARIA.

Scodiona Raunaria, *Frey. Neue Beit.* pl. 582, f. 3, 4.

Europe.

Page 1026.

For *Fidonia Mæcanaria* read *Fidonia præcanaria*.

Page 1027.

SELIDOSEMA SEMICANARIA.

a. Europe. From Dr. Herrich-Schæffer's collection.

Page 1031.

NARRAGA CEBRARIA.

a, b. Europe. From Dr. Herrich-Schæffer's collection.

Page 1033.

FIDONIA CONCORDARIA.

a. Europe. From Dr. Herrich-Schæffer's collection.

FIDONIA SPODIARIA.

Alæ integræ, cinerascens; anticæ, maris præsertim, margine lato obscuriore intus linea rufa inscripto; puncto discali ad basin virgulaque rufis; alæ quatuor subtus atomis rubigineis, linea

minuta transversa punctoque discali rufis; frons palpique albescentes; antennæ maris ciliatæ, fæm. filiformes.

Fidonia spodiaria, Lefebvre, Mag. Zool. Class ix. pl. 8, 1831.

Sicily.

Page 1034.

FIDONIA EUGRAPHIATA.

Mas. *Cinerea, breviuscula, luteo subincta; palpi validi, lanceolati, capitis latitudine paullo breviores, articulo 3o fusco longi-conico; antennæ pectinatæ; alæ ochraceæ, nigricante conspersæ, lineis duabus nigricantibus vix undulatis, punctis marginalibus nigris; anticæ subacutæ, linea media lute interrupta annuloque discali nigricantibus.*

Male. Cinereous. Body rather short and stout, slightly tinged with luteous. Palpi porrect, stout, lanceolate, a little shorter than the breadth of the head; third joint brown, elongate-conical, about half the length of the second. Antennæ moderately pectinated, except towards the tips. Abdomen not extending beyond the hind wings. Legs smooth; hind tibiæ with four long spurs. Wings mostly ochraceous, transversely blackish-speckled; interior and exterior lines blackish, hardly undulating, well-defined; marginal points black. Fore wings slightly acute; middle line blackish, apparent only on the costa and on the interior border; discal ringlet blackish, large; costa straight; exterior border hardly convex, rather oblique. Length of the body 3 lines; of the wings 10 lines.

a, b. St. Domingo. From Mr. Tweedie's collection.

FIDONIA CYCLATA.

Mas. *Subochracea; palpi latiusculi, fimbriati, caput vix superantes; antennæ pectinatæ; alæ nigro subconsersæ; anticæ acutæ, nigricante conspersæ, vitta costali lineaque exteriore maculari non conspersis, macula discali ochracea nigro signata; posticæ macula discali alba rotunda nitente.*

Male. Dull ochraceous, mostly pale cinereous beneath. Palpi fringed, porrect, rather broad, hardly extending beyond the head; third joint extremely short. Antennæ moderately pectinated, except towards the tips. Abdomen not extending beyond the hind wings. Legs smooth; hind tibiæ with four long spurs. Wings thinly and minutely speckled with black; under side darker along the exterior

border. Fore wings acute, blackish-tinged, except an exterior macular line and costal stripe, which is dilated exteriorly; discal point black, with an ochraceous border; exterior border very slightly convex, rather oblique. Hind wings with a round white shining spot. Length of the body $5\frac{1}{2}$ lines; of the wings 15 lines.

a. St. Domingo. From Mr. Tweedie's collection.

Page 1035.

FIDONIA FERROBRATA.

Mas et fœm. *Ferrugineo-rufa; palpi lati, subrostriformes, capitis latitudine multo breviores; alæ anticæ acutæ, dimidio basali pallidiore, lineis duabus cinereis denticulatis fusco nebulosis valde indistinctis, punctis marginalibus nigris.* Mas.—*Antennæ latissime pectinatæ; alæ posticæ nigro-cinereæ.* Fœm.—*Antennæ subpectinatæ; alæ posticæ pallide cinereæ.*

Male and female. Ferruginous-red, cinereous beneath. Palpi broad, nearly rostriform, much shorter than the breadth of the head; third joint very short. Antennæ very broadly pectinated in the male, slightly pectinated in the female. Fore wings acute, with the basal half a little paler than the apical half; interior and exterior line cinereous, denticulated, shaded with brown, very indistinct; marginal points black; costa straight; exterior border convex. Hind wings blackish cinereous in the male, pale cinereous in the female. Length of the body 4 lines; of the wings 10—11 lines.

a, b. South Africa. From Mr. Trimen's collection.

FIDONIA?? SERRIFASCIARIA.

Fœm. *Cinerea; alæ conferte conspersæ, puncto discali nigro; anticæ acutæ, fascia exteriori extus denticulata nigricante, margine exteriori subflexo; posticæ linea exteriori nigricante.*

Fidonia serrifasciaria, Herr.-Sch. Exot. Schm. pl. 39, f. 195.

Cape.

Page 1036.

FIDONIA SQUALIDATA.

Mas. *Albido-cinerea, gracilis; palpi compressi, fimbriati, capitis latitudine multo breviores; antennæ late pectinatæ; alæ nigricante conspersæ, punctis submarginalibus et marginalibus nigris, puncto discali nigricante; anticæ acutæ, vix falcatæ, linea fusca nebulosa interrupta.*

Male. Whitish cinereous, slender. Palpi porrect, compressed, fringed, much shorter than the breadth of the head; third joint very minute. Antennæ broadly pectinated; branches pubescent. Wings moderately broad, minutely blackish-speckled, brownish-tinged beneath; submarginal points and marginal points black, the latter more distinct than the former; discal point blackish. Fore wings acute, hardly falcate, with a brown incomplete nebulous line. Length of the body 4 lines; of the wings 10 lines.

a. Australia. From Mr. Milne's collection.

Page 1088.

FIDONIA DECISARIA.

Fœm. *Obscure fuscescente-cinerea; caput nigrum, pilosissimum; palpi lanceolati, capitis latitudine non breviores; abdominis segmenta albido marginata; alæ fascia exteriore albida undulata; anticæ acutæ, lineis quatuor pallide cinereis fusco marginatis, 3a angulata, 4a denticulata, dimidio basali subtus sordide luteo.*

Female. Dark brownish cinereous. Head black, very pilose. Palpi lanceolate, porrect, as long as the breadth of the head. Abdominal segments with whitish hind borders. Wings paler beneath, with a whitish undulating exterior band, which is as distinct in the hind wings as in the fore wings. Fore wings acute, with four pale cinereous lines, of which the third is deeply angular, and the fourth is denticulated; first and third lines bordered with dark brown on the inner side; second line bordered with dark brown on the outer side; under side with the basal half dingy luteous. Hind wings with the first and second lines obsolete. Length of the body 5 lines; of the wings 12 lines.

a. Tasmania. Presented by J. G. Children, Esq.

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FIDONIA PERORNATA.

Mas. *Nigra, pilosa, subtus albido-cinerea; palpi lanceolati, pilosissimi, capitis latitudine non breviores; antennæ pectinatæ; thorax albo-bistrigatus; abdominis segmenta albo-marginata; alæ anticæ vix acutæ, cupreo subnitentes, fasciis quinque luteis ex parte albidis, 1a recta, 2a 3a 4aque undulatis, 5a maculari; posticæ luteæ, fasciis tribus undulatis cupreo-nigris, subtus ex parte albæ.*

Male. Black, pilose, whitish cinereous beneath. Frontal tuft prominent. Palpi lanceolate, very pilose, as long as the breadth of the head; third joint conical, minute. Antennæ moderately pectinated. Thorax with a white streak on each of the tegulæ. Abdomen with luteous speckles; hind borders of the segments white. Fore wings hardly acute, with a slight cupreous tinge and with five luteous partly whitish bands; first band straight; second, third and fourth undulating; fifth macular; under side luteous, with five cupreous-black bands. Hind wings luteous, with three undulating cupreous-black bands; exterior border cupreous-black; under side partly white, with the lines accompanied by cupreous-black speckles. Length of the body $3\frac{1}{2}$ lines; of the wings 10 lines.

a. New Zealand. Presented by the Rev. W. Colenso.

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CLEOGENE? RICARIA.

Mas. *Cinerea; alæ fascia tenui undulosa submarginali nigra.*

Crocota ricaria (*Geometra ampla*, *Chleuastes vulgaris*), *Geyer, Zutr.* 24, 446, f. 891, 892.

South Africa.

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HYPOFLECTIS ADSPERSARIA.

a, b. Europe. From Dr. Herrich-Schæffer's collection.

Page 1068.

ASPILATES RECTARIA.

Aspilates rectaria, *Frey, Neue Beitr.* pl. 534, f. 4.

Europe.

ASPILATES? CALIFORNIARIA.

Mas. *Pallide schistacea; antennæ pectinatæ; alæ puncto discali nigro; anticæ fascia obscuriore nigricante marginata postice abbreviata costam versus valde dilatata extus albido marginata, linea submarginali albida undulata; posticæ albidæ.*

Platæa californiaria, Herr.-Sch. Exot. Schm. pl. 94, f. 537.

California.

ASPILATES ATROPUNCTARIA.

Mas. *Pallide flavescens-cervina; caput antice saturate cervinum; palpi pilosi, oblique ascendentes, articulo 3o minimo; antennæ late pectinatæ; alæ latiusculæ, linea exteriori recta saturate cervina, puncto discali nigro; anticæ acutæ, linea interiori angulata cervina.*

Male. Pale yellowish fawn-colour. Head in front deep fawn-colour. Palpi pilose, obliquely ascending, not rising so high as the vertex; third joint extremely minute. Antennæ broadly pectinated, except towards the tips. Abdomen slightly attenuated; apical tuft rather long. Wings rather broad, with a straight deep fawn-coloured line, which extends from beyond the middle of the interior border of the hind wings nearly to the tips of the fore wings, where it is retracted to the costa; discal point black. Fore wings acute, with a slight interior angular fawn-coloured line; costa and exterior border hardly convex, the latter rather oblique. Length of the body 6 lines; of the wings 15 lines.

a. East Florida. Presented by E. Doubleday, Esq.

ASPILATES ABBREVIATA.

Mas. *Testacea; palpi lati, obtusi, oblique ascendentes, articulo 3o subobsoleto; antennæ late pectinatæ; tibiæ posticæ subincrassatæ; alæ breviusculæ, puncto discali fasciaque exteriori subrecta fuscis; anticæ acutæ, conspersæ, lineis duabus interioribus obscurioribus indistinctis, punctis marginalibus fuscis minimis; posticæ pallidiores.*

Male. Testaceous. Palpi broad, obtuse, obliquely ascending, not rising so high as the vertex; third joint nearly obsolete. Antennæ broadly pectinated. Hind tibiæ slightly incrassated. Wings rather short, with a brown discal point, and a brown oblique exterior

nearly straight line. Fore wings acute, minutely speckled, with two interior indistinct darker lines; marginal points brown, very small; exterior border slightly convex and oblique. Hind wings paler. Length of the body 4 lines; of the wings 11 lines.

a. Georgia, From Mr. Milne's collection.

ASPILATES DONATARIA.

Mas. *Cinerea, gracilis*; caput antice fuscum; antennæ late pectinatae; alæ elongatae, nigricante conspersæ, linea exteriori subrecta e punctis nigricantibus, linea submarginali fuscescente vix conspicua, punctis marginalibus nigris; anticæ acutæ.

Male. Cinereous, slender. Head brown in front. Antennæ broadly pectinated. Abdomen not extending beyond the hind wings. Wings elongate, minutely blackish-speckled, with an exterior oblique nearly straight line of blackish points; submarginal line brownish, very indistinct; marginal points black. Fore wings acute; costa straight; exterior border hardly convex, very oblique. Length of the body 5 lines; of the wings 14 lines.

a. Georgia. From Mr. Milne's collection.

ASPILATES CANOSARIA.

Mas. *Albido-cinerea*; caput antice luteum; palpi brevissimi, gracillimi; antennæ pectinatae; pedes graciles, calcaribus breviusculis; alæ latiusculæ, fusco conspersæ, linea exteriori angulosa guttaque discali elongata nigricantibus; anticæ vix acutæ, linea interiori nigricante angulosa. Var.—Major; caput antice non luteum; alæ lineis guttaque discali fuscis.

Male. Whitish cinereous. Head luteous in front. Palpi very short and slender, not extending beyond the front. Antennæ moderately pectinated. Legs smooth, slender; spurs rather short. Wings rather broad, minutely brown-speckled; exterior line blackish, oblique, zigzag; discal dot blackish, elongated. Fore wings hardly acute; interior line blackish, zigzag; costa and exterior border very slightly convex, the latter moderately oblique. Hind wings very little paler than the fore wings, extending beyond the abdomen. Length of the body 5 lines; of the wings 14 lines.

a—d. Nova Scotia. From Lieut. Redman's collection.

Var. β. Larger. Head not luteous in front. Lines and discal marks of the wings brown. Length of the body 7 lines; of the wings 18 lines.

e. ———? From Mr. Milne's collection.

ASPILATES STRIGULARIA.

Mas. *Cinerea*; *palpi breves, lati, caput paullo superantes*; *antennæ pubescentes*; *tibiæ posticæ subincrassatæ*; *alæ fusco conspersæ, punctis marginalibus nigris*; *anticæ vix acutæ, lineis duabus nigricantibus, 1a recta, 2a undulata, spatio adhuc exteriori fusco nebuloso litura discali fusca*; *posticæ lineis nonnullis indistinctis fuscescentibus.*

Male. Cinereous. Palpi porrect, short, broad, extending a little beyond the head; third joint extremely minute. Antennæ pubescent. Abdomen hardly extending beyond the hind wings. Hind tibiæ slightly incrassated, with four spurs, of which the first pair are much longer than the apical pair. Wings transversely brown-speckled; marginal points black. Fore wings hardly acute; interior and exterior lines blackish, oblique, the first straight, the second undulating; space along the outer side of the exterior line partly and irregularly clouded with brown; discal mark brown; exterior border straight, rather oblique. Hind wings with some straight indistinct brownish lines. Length of the body 5—5½ lines; of the wings 13—14 lines.

a, b. East Florida. Presented by E. Doubleday, Esq.

ASPILATES OLENUSARIA.

Mas. *Lutea*; *caput antice roseum*; *antennæ cinereæ*; *alæ linea exteriori obliqua subrecta purpurascente-rosea, fasciis duabus subtus latis roseis*; *anticæ lineis interiore et media purpurascente-roseis indistinctis*; *posticæ pallidiores.*

Male. Luteous. Head rosy in front. Antennæ cinereous. Wings with an oblique nearly straight purplish rosy exterior line; fringe purplish rosy; under side bright luteous, with transverse rosy speckles and with two broad rosy bands. Fore wings with the interior and middle lines purplish rosy, indistinct. Hind wings paler than the fore wings. Length of the body 5½—6 lines; of the wings 15—16 lines.

a, b. East Florida. Presented by E. Doubleday, Esq.

c. Georgia. From Mr. Milne's collection.

ASPILATES SUBCOLUMBATA.

Fœm. *Cinerea, robusta, nigricante conspersa, subopalina; palpi breves, lati; pedes breviusculi; alæ lineis duabus fuscis subparallelis vix undulatis, fascia submarginali purpurascentecinerea, puncto discali punctisque marginalibus nigris; anticæ vix acutæ, linea interiore fusca.*

Female. Cinereous, stout, minutely blackish-speckled, slightly pearly white beneath. Palpi porrect, broad, short. Legs rather short; hind tibiæ with four moderately long spurs. Wings moderately broad; middle and exterior lines brown, oblique, hardly undulating, nearly parallel, slightly bent towards the costa of the fore wings; submarginal band purplish cinereous, brown and more distinct on the under side; marginal points and discal point black, the latter most distinct on the under side, where the marginal space is somewhat ochraceous. Fore wings hardly acute, with an interior oblique brown line. Length of the body 4 lines; of the wings 12 lines.

a. St. Domingo. From Mr. Tweedie's collection.

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ASPILATES? BREPHARIA.

Fœm. *Fuscescens; alæ anticæ fascia cervina conspersa postice angusta punctum includente; posticæ luteæ, fusco marginatæ.*

Hypochroma brepharia, Herr.-Sch. Exot. Schm. pl. 60, f. 335.

South America.

ASPILATES? SUBLUCIDARIA.

Mas. *Albida; caput pallide testaceum; palpi graciles, caput non superantes, articulo 3o lineari; antennæ late pectinatæ; pedes graciles; alæ amplæ, subhyalinæ, linea exteriori subarcuata lituraque discali cinereis; anticæ vix acutæ.*

Male. Whitish. Head and fore part of the thorax pale testaceous. Palpi porrect, slender, not extending beyond the head; third joint linear. Antennæ broadly pectinated, except at the tips. Abdomen not extending beyond the hind wings. Legs smooth, slender; hind tibiæ with four long spurs. Wings ample, slightly hyaline, with a cinereous exterior indistinct slightly curved line; discal mark

cinereous, indistinct. Fore wings hardly acute; exterior border very slightly convex, rather oblique. Length of the body 5 lines; of the wings 18 lines.

a. Rio Janeiro. Presented by the Rev. Hamlet Clark.

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ASPILATES IMBELLATA.

Mas. *Pallide ochracea; palpi brevissimi; antennæ breviusculæ, latissime pectinatæ; pedes sat validi; tibiæ posticæ calcaribus parvis; alæ elongatæ; anticæ acutæ, conspersæ, puncto discali lineaque exteriore vix arcuata nigris; posticæ pallidiores.*

Male. Pale ochraceous. Palpi very short. Antennæ rather short, very broadly pectinated. Legs smooth, rather stout; hind tibiæ with four short spurs. Wings elongate. Fore wings acute, minutely speckled with darker ochraceous; discal point and exterior line black; the latter hardly curved, very oblique, extending from near the tips to beyond the middle of the interior border; costa straight; exterior border slightly convex. Hind wings paler. Length of the body 5 lines; of the wings 12 lines.

a. South Africa. Presented by Sir A. Smith.

ASPILATES VILISARIA.

Mas. *Pallide ochracea; palpi frontem vix superantes; antennæ breviusculæ, late pectinatæ; alæ anticæ vix acutæ, linea fuscescente subarcuata, puncto discali fusco.*

Male. Pale ochraceous. Palpi porrect, hardly extending beyond the front. Antennæ broadly pectinated, rather short. Hind tibiæ with rather long spurs. Wings moderately broad. Fore wings hardly acute, with a slightly curved brownish line, which extends from near the tips to two-thirds of the length of the interior border; discal point brown; exterior border slightly convex, rather oblique hindward. Length of the body 6 lines; of the wings 14 lines.

Cape. In Mr. Saunders' collection.

ASPILATES ? TARDARIA.

Fœm. *Viridescens-flava, subtus cinerea; palpi rosei, oblique ascendentes; abdomen cinereum; alæ anticæ acutæ, linea*

obscuriore subrecta extus pallido marginata, costa vix convexa, angulo interiore valde rotundato; posticæ flavescente-cinereæ, linea exterior vix conspicua.

Female. Greenish yellow, cinereous beneath. Palpi rosy, obliquely ascending, not rising so high as the vertex. Abdomen and legs cinereous; anterior legs with a rosy tinge. Fore wings acute, with a nearly straight slightly darker line, which is pale-bordered on the outer side, and extends from near the tip of the costa to much beyond the middle of the interior border; costa hardly convex; exterior border slightly convex, rather oblique; interior angle much rounded. Hind wings yellowish cinereous, with a very indistinct exterior line. Length of the body $5\frac{1}{2}$ lines; of the wings 16 lines.

a. Cape. Presented by Sir A. Smith.

ASPILATES ? BIFERARIA.

Mas. *Flava; palpi erecti, arcuati, frontem non superantes, articulo 3o minimo; antennæ pectinatæ; alæ anticæ vix acutæ, lineis duabus obscurioribus rectis indistinctis; posticæ flavescente-albidæ.*

Male. Yellow, whitish with a slight yellow tinge beneath. Palpi vertical, curved, ascending as high as the front; third joint very small. Antennæ rather broadly pectinated. Abdomen and hind wings yellowish whitish. Fore wings hardly acute, with two straight oblique indistinct darker lines; costa straight; exterior border convex, very oblique hindward. Length of the body $4\frac{1}{2}$ lines; of the wings 12 lines.

a. South Africa. Presented by Sir A. Smith.

ASPILATES RECESSARIA.

Fœm. *Cinerea, fusco conspersa; palpi sat graciles, subpilosi, frontem vix superantes, articulo 3o brevissimo; alæ subelongatæ; anticæ acutæ, lineis duabus nigris subarcuatis, spatio marginali sublutescente, puncto discali punctisque marginalibus nigris; posticæ linea exterior indistincta, margine exterior subdentato.*

Female. Cinereous, speckled with brown. Palpi porrect, rather slender, slightly pilose, hardly extending beyond the front; third joint extremely short. Wings slightly elongate. Fore wings acute,

with two oblique black lines, which extend from the fore part of the disk to the interior border, and are slightly curved towards each other; speckles here and there confluent; a luteous tinge between the second line and the exterior border; discal point and marginal points black, the former rather large; exterior border slightly convex, rather oblique. Hind wings with an indistinct exterior line like that of the fore wings; under side with a black discal spot and a black exterior band; exterior border slightly notched. Length of the body 5 lines; of the wings 14 lines.

a. South Africa. Presented by R. Trimen, Esq.

ASPILATES PROXANTHARIA.

Mas et fœm. *Schistaceo-cinerea*; caput ochraceum; palpi rostriformes, non connexi, capitis latitudine multo breviores; antennæ maris pectinatæ; alæ latiusculæ, fusco aut nigricante conspersæ, linea exteriorē fusca subrecta, lineis media et interiorē minus determinatis aut subobsoletis, puncto discali punctisque marginalibus nigris; anticæ subacutæ.

Male and female. Slaty cinereous. Head and front of the thorax ochraceous. Palpi rostriform, slightly separate from each other, much shorter than the breadth of the head; third joint very minute. Antennæ of the male moderately pectinated, except towards the tips. Wings rather broad, minutely brown or blackish-speckled; exterior line brown, oblique, nearly straight; interior and middle lines less distinct, sometimes almost obsolete; discal point and marginal points black; under side with a slight ochraceous tinge. Fore wings slightly acute; costa straight; exterior border convex, moderately oblique. Hind wings extending beyond the abdomen. Length of the body 5—5½ lines; of the wings 12—14 lines.

a—c. South Africa. From Mr. Trimen's collection.

ASPILATES SEMISPURCATA.

Fœm. *Albido-cinerea*; corpus flavescente-cinereum; palpi graciles, capitis latitudine breviores, articulo 3o brevissimo; alæ puncto discali nigricante, fascia submarginali indistincta diffusa; posticæ subtus sublutescentes.

Female. Whitish cinereous. Body yellowish cinereous. Palpi slender, porrect, rather shorter than the breadth of the head; third joint conical, extremely minute, less than one-sixth of the length of

the second. Legs smooth; hind tibiæ with four moderately long spurs. Wings with a blackish discal point and with an indistinct diffuse submarginal band, which is attenuated and almost obsolete above in the hind wings; under side with the discal point black and very distinct. Hind wings with a luteous tinge beneath, extending a little beyond the abdomen. Length of the body 5 lines; of the wings 16 lines.

a. South Africa. From Mr. Argent's collection.

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ASPILATES EXUMBRATA.

Mas et fœm. *Testaceo-cinerea; palpi angulati, capitis latitudine paullo breviores, articulo 3o lanceolato minimo; antennæ maris pubescentes; tibiæ posticæ calcaribus breviusculis; alæ anticæ vix acutæ, apud costam obscuriores, fascia marginali obscure cinerea antice fissa postice abbreviata nonnunquam diffusa et interrupta.*

Male and female. Pale testaceous-cinereous. Palpi porrect, a little shorter than the breadth of the head; third joint lanceolate, very minute, forming an angle with the second. Antennæ of the male pubescent. Abdomen not extending beyond the hind wings. Legs smooth, slender; hind tibiæ with four rather short spurs. Wings darker beneath. Fore wings hardly acute, a little darker along the costa, which is straight; marginal band dark cinereous, divided in front, abbreviated hindward, occasionally diffuse and very incomplete. Hind wings beneath with a black discal point, with blackish speckles, and with a blackish exterior band. Length of the body 4—5 lines; of the wings 13—14 lines.

a—d. South Africa. From Mr. Trimen's collection.

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ASPILATES PARALLELARIA.

Fœm. *Subtestaceo-albida; caput cervinum; palpi oblique ascendentes, articulo 3o minimo; alæ cervino subconspersæ, lineis tribus cervinis subrectis subparallelis, 3a duplicata, puncto exteriori cervino; anticæ apice subrotundatæ, striga discali parva cervina.*

Female. Whitish, with a very slight testaceous tinge, somewhat ochraceous beneath. Head fawn-colour. Palpi obliquely ascending, not rising higher than the head; third joint extremely minute. Wings slightly and minutely speckled with fawn-colour; basal, interior and exterior lines fawn-colour, oblique, nearly straight and parallel; basal line nearly obsolete in the hind wings; exterior line mostly double, with a fawn-coloured point on its outer side. Fore wings slightly rounded at the tips, with a minute fawn-coloured discal streak. Length of the body $4\frac{1}{2}$ lines; of the wings 13 lines.

a. Ceylon. Presented by Dr. Templeton.

ASPILATES UVARIA.

Fœm. *Schistaceo-cinerea, subtus late rosea; alæ anticæ peracutæ, vix falcatæ, lineis duabus obliquis albido-cinereis antice remotis, costa margineque exteriore roseo subinctis; posticæ albido-cinereæ.*

Female. Slaty cinereous, slender, mostly bright rosy beneath. Palpi short, porrect, rostriform. Wings elongate. Fore wings very acute, hardly falcate, with two oblique whitish cinereous lines, which diverge from each other towards the costa, near which the exterior one is slightly zigzag; costa and exterior border with a rosy tinge, the latter very oblique. Hind wings whitish cinereous. Length of the body 6—7 lines; of the wings 16—18 lines.

a, b. Darjeeling. Presented by the Secretary of the India Board.

c. Hindostan. Presented by Sir J. Hearsay.

ASPILATES INDOTATA.

Mas. *Subcervino-cinerea; palpi læves, lanceolati, capitis latitudine breviores; articulo 3o parvo; antennæ pectinatæ; tibiæ posticæ subincrassatæ; alæ fusco conspersæ, lineæ exteriore fusca antice undulata postice recta, fascia adhuc exteriore pallide fusca; anticæ subacutæ, fasciis duabus interioribus rectis fusciscentibus.*

Male. Cinereous, with a slight pale fawn-coloured tinge. Palpi porrect, smooth, lanceolate, shorter than the breadth of the head; third joint conical, minute. Antennæ moderately pectinated. Abdomen not extending beyond the hind wings. Hind tibiæ slightly incrassated; first pair of spurs much longer than the apical spurs. Wings transversely brown-speckled; exterior line brown,

oblique, undulating in the fore wings, straight in the hind wings, accompanied on the outer side by a paler brown band. Fore wings slightly acute, with two interior oblique straight brownish bands; exterior border very slightly convex, rather oblique. Length of the body 5 lines; of the wings 14 lines.

a. North Hindostan. From Mr. Stevens' collection.

ASPILATES IMPERVIATA.

Fœm. *Subcervino-cinerea; alæ fusco conspersæ, litura discali fusca indistincta, punctis marginalibus nigricantibus; anticæ vix acutæ, lineis interiore et media rectis fusciscentibus, linea exteriore obscure fusca extus cervino marginata; posticæ linea exteriore cervina.*

Female. Cinereous, with a slight pale fawn-coloured tinge. Wings transversely brown-speckled; marginal points blackish; discal mark brown, indistinct. Fore wings hardly acute; interior and middle lines brownish, slight, straight; exterior line dark brown, much more distinct, bordered with fawn-colour on its outer side; exterior border straight, rather oblique. Hind wings with a fawn-coloured exterior line. Length of the body 5 lines; of the wings 14 lines.

a. Shanghai. From the Entomological Society's collection.

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ASPILATES ? CRYPTORHODATA.

Mas. *Subroseo-cinerea, sat robusta; palpi flexi, frontem superantes, articulo 3o lanceolato; antennæ late pectinatæ; calcaria parva; alæ lineis duabus punctularibus, puncto discali punctisque marginalibus nigris; anticæ subacutæ.*

Male. Cinereous, rather stout, with a slight rosy tinge, paler beneath. Palpi bent, extending beyond the front; third joint lanceolate, about half the length of the second. Antennæ broadly pectinated to full two-thirds of the length. Hind tibiæ with four short spurs. Wings moderately broad; interior and exterior lines composed of black points, the latter more distinct and complete than the former; discal point and marginal points black. Fore wings slightly acute; costa and exterior border straight, the latter rather oblique. Hind wings extending rather beyond the abdomen. Length of the body 5 lines; of the wings 14 lines.

a, b. Moreton Bay. From Mr. Diggles' collection.

ASPILATES ? PALLIDISCARIA.

Fœm. *Rufescente-schistacea*; *caput antice fuscum*; *palpi brevissimi*; *alæ elongatæ*, *apud discum pallidiores*, *linea fusca recta antice obsoleta*, *linea submarginali valde indistincta*, *puncto discali fusco*, *fascia subtus rufescente marginali latissima*; *anticæ acutæ*.

Female. Dark reddish slate-colour, paler beneath. Head dark brown in front. Palpi very short. Legs smooth; hind tibiæ with four spurs of unequal length. Wings elongate, paler and more cinereous in the disk, with a brown straight oblique line, which extends from one-third of the length of the interior border of the hind wings to the fore wings, where it is less distinct and becomes obsolete in front; submarginal line very indistinct; discal point brown, most distinct on the hind wings; under side with a very broad marginal reddish band. Fore wings acute; costa and exterior border straight, the latter very oblique. Hind wings extending a little beyond the abdomen. Length of the body $4\frac{1}{2}$ lines; of the wings 13 lines.

a. Sydney. From Mr. Lambert's collection.

ASPILATES ? EXFUSARIA.

Mas. *Cinerea*, *subtus lutescens*; *caput cervinum*; *palpi lati, obtusi*, *articulo 3o brevissimo*; *antennæ pubescentes*; *tibiæ posticæ vix incrassatæ*, *calcaribus parvis*; *alæ latiusculæ*, *fusco conspersæ*, *linea exterior recta fusca extus diffusa intus lutescente marginata*, *puncto discali punctisque marginalibus nigris*; *anticæ subacutæ*, *linea interiore fusca angulata*.

Male. Cinereous, mostly luteous beneath. Head fawn-colour. Palpi porrect, broad, obtuse, not extending beyond the head; third joint extremely short. Antennæ pubescent. Abdomen not extending beyond the hind wings. Hind tibiæ hardly incrassated, with four short spurs. Wings rather broad, thickly and minutely brown-speckled; exterior line brown, straight, oblique, slightly bordered with pale luteous on the inner side, diffusedly bordered with pale brown on the outer side; discal point and marginal points black. Fore wings slightly acute, with a slight interior angular brown line; costa straight; exterior border slightly convex, rather oblique. Length of the body 5 lines; of the wings 14 lines.

a. Moreton Bay. From Mr. Diggles' collection.

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ASPILATES EUBOLIARIA.

Mas. *Pallidissime cervina; palpi lanceolati, disjuncti, capitis latitudine breviores; antennæ subserratae, subpubescentes; alæ anticæ apice rotundatae, fascia media obscuriore subundulata punctum discalæ fuscum includente, margine exteriori perobliquo; posticæ subpallidiores.*

Male. Very pale fawn-colour, with a luteous tinge beneath. Palpi porrect, lanceolate, apart from each other, shorter than the breadth of the head; third joint conical, acute, not more than one-third of the length of the second. Antennæ minutely serrated and pubescent. Abdomen not extending beyond the hind wings. Fore wings somewhat rounded at the tips, with a darker middle oblique slightly undulating band, which contains a dark brown discal point; costa straight; exterior border slightly convex, very oblique. Hind wings a little paler than the fore wings. Length of the body 6 lines; of the wings 16 lines.

a. New Zealand. Presented by Col. Bolton.

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ASPILATES ACIDALIARIA.

Mas. *Cinerea; palpi brevissimi, gracillimi, frontem non superantes; antennæ late pectinatae; abdomen fusco quadripunctatum; alæ nigricante subconsersæ, lineis duabus subobscurioribus subarcuatis valde indistinctis, punctis nonnullis exterioribus punctisque marginalibus nigris; anticæ vix acutæ.*

Male. Cinereous, a little paler beneath. Palpi very short and slender, not extending beyond the front. Antennæ broadly pectinated. Hind tibiæ with four moderately long spurs. Abdomen not extending beyond the hind wings; second and third segments with two brown points near the hind border. Wings moderately broad, thinly and very minutely blackish-speckled; interior and exterior lines a little darker than the ground hue, slightly curved, very indistinct, the latter accompanied by a few black points; marginal points black. Fore wings hardly acute; costa straight; exterior border slightly convex, moderately oblique. Length of the body 5 lines; of the wings 14 lines.

a. ———?

ASPILATES INTRACTARIA.

Fœm. *Flavescente-cinerea, sat robusta; palpi lati, breves, pilosi; alæ cervino pallido conspersæ, linea exteriori subrecta strigae discali pallide cervinis, spatio marginali vix cervino, punctis marginalibus nigris.*

Female. Yellowish cinereous, rather stout. Palpi porrect, broad, pilose, much shorter than the breadth of the head; third joint conical, minute, not more than one-fourth of the length of the second. Wings thickly and minutely speckled with pale fawn-colour; exterior line pale fawn-colour, oblique, nearly straight; discal streak of the same hue; space between the exterior line and the border slightly tinged with fawn-colour; marginal points black; costa straight; exterior border slightly convex, moderately oblique. Length of the body $5\frac{1}{2}$ lines; of the wings 8 lines.

a. ———? Presented by E. Doubleday, Esq.

ASPILATES VAGARIA.

Fœm. *Pallide rufescens; palpi caput perpaullo superantes, articulo 3o brevissimo; alæ latæ, nigro conspersæ, linea exteriori e punctis nigris, puncto discali nigro; anticæ acutæ, punctis marginalibus nigris.*

Female. Pale reddish, pale reddish cinereous beneath. Palpi porrect, extending very little beyond the head; third joint extremely short. Antennæ slender. Legs smooth; hind tibiæ with four long spurs. Wings broad, thinly and minutely speckled with black; exterior line oblique, nearly straight, formed of black points; discal point black, larger and more distinct on the under side. Fore wings acute, with minute black marginal points; costa slightly convex towards the base; exterior border slightly oblique, very slightly convex. Hind wings extending beyond the abdomen; interior angle prominent. Length of the body 5 lines; of the wings 16 lines.

a. ———?

ASPILATES INFIXARIA.

Mas. *Cinerea; caput antice fuscum; palpi graciles, caput non superantes; antennæ late pectinatæ; abdomen e punctis nigris bilineatum; tibiæ posticæ subincrassatæ; alæ subelongatæ, nigro subconsersæ, linea interiori e punctis nigris, puncto discali punctisque marginalibus nigris.*

Male. Cinereous. Head dark brown in front. Palpi porrect, slender, not extending beyond the head. Antennæ broadly pectinated. Abdomen thinly and minutely black-speckled, with two rows of black points. Hind tibiæ slightly incrassated, with four moderately long spurs. Wings slightly elongate, minutely black-speckled, with an exterior oblique line of black points, discal point and marginal points black; under side dingy cinereous. Fore wings slightly acute; costa hardly convex; exterior border slightly convex, rather oblique. Length of the body $5\frac{1}{2}$ lines; of the wings 14 lines.

a. ———? From Mr. Milne's collection.

ASPILATES? ANTAURATA.

Mas. Rufescente-cinerea, nigro conspersa; caput et thorax anticus ochracea; palpi breves, dense pilosi, oblique ascendentes; antennæ serratæ, pubescentes; tibiæ posticæ incrassatæ; alæ latiusculæ, lunulis marginalibus nigris; anticæ lineis tribus nigris, 3a magis determinata, linea submarginali pallide cinerea antice dilatata postice obsoleta; posticæ margine exteriore subangulato.

Male. Reddish cinereous, minutely black-speckled. Head and fore part of the thorax ochraceous. Palpi broad, obliquely ascending, with short thick-set hairs, not rising higher than the vertex; third joint extremely minute. Antennæ serrated, pubescent. Hind tibiæ incrassated. Wings rather broad, with black marginal lunules; under side with a black discal dot and an exterior black denticulated line, beyond which there is a dull ochraceous band; exterior border hardly festooned. Fore wings acute, with three dentate lines; of these the third is black and concise and much more distinct than the other two, which are brown and diffuse; submarginal line pale cinereous, dilated towards the tips, obsolete towards the interior angle; exterior border straight, moderately oblique. Hind wings with indistinct indications of the lines of the fore wings; exterior border slightly angular in the middle. Length of the body 8 lines; of the wings 16 lines.

a. ———?

This species seems to have some affinity to *Mucaria*.

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NADAGARA IMPERVISATA.

Fœm. *Pallidissime testacea; palpi brevissimi, subflexi, caput perpaullo superantes; alæ latæ, strigis plurimis transversis indistinctis subobscurioribus, puncto discali nigro, linea marginali fusca, fimbria alba, margine exteriori subflexo; anticæ acutæ, vix falcatæ.*

Female. Very pale testaceous. Palpi very short, slightly bent, extending very little beyond the head; third joint very minute. Legs smooth, slender; spurs long. Wings broad, with numerous transverse minute indistinct slightly darker streaks; discal point black; marginal line brown, slender; fringe white; exterior border slightly bent. Fore wings acute, hardly falcate; costa straight. Length of the body 6 lines; of the wings 18 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

NADAGARA NIGRIPALPARIA.

Mas. *Cinerea; subtus ferruginea; caput antice fuscum; palpi capitis latitudine multo breviores, articulo 3o minimo; antennæ vix serratæ; alæ lineis duabus e punctis nigricantibus, 1a indeterminata, striga discali fusca, punctis marginalibus nigricantibus; anticæ elongatæ, apice rotundatæ, margine exteriori subconcavo; posticæ margine exteriori dentato.*

Male. Cinereous, mostly ferruginous beneath. Head in front and palpi dark brown. Palpi porrect, much shorter than the breadth of the head; third joint extremely minute. Antennæ hardly serrated. Wings with the interior and exterior lines composed of blackish points, the former very incomplete; discal streak brown, short; marginal points blackish. Fore wings elongate, rounded at the tips; costa straight; exterior border slightly concave, very oblique. Hind wings with the exterior border strongly dentate. Length of the body 7 lines; of the wings 16 lines.

a. Sarawak, Borneo. From Mr. Wallace's collection.

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FOR OSTHA SILENIATA read OSTHA SELENIATA.

Page 1106.

Genus GALTARA.

Mas. Corpus sat validum. Fasciculus frontalis productus. Proboscis breviuscula, sat gracilis. Palpi capitis latitudine non breviores, articulo 3o sublanceolato. Antennæ pectinatæ. Abdomen lineare, alas posticas non superans. Pedes læves, vix robusti; tibiæ posticæ calcaribus quatuor breviusculis. Alæ elongatæ; anticæ subacutæ, costa vix convexa.

Male. Body moderately stout. Frontal tuft prominent. Proboscis rather short and slender. Palpi porrect, as long as the breadth of the head; third joint slightly lanceolate, nearly as long as the second. Antennæ moderately pectinated. Abdomen linear, not extending beyond the hind wings. Legs smooth, hardly stout; hind tibiæ with four rather short spurs. Wings somewhat elongated. Fore wings slightly acute; costa and exterior border hardly convex, the latter moderately oblique.

GALTARA PURATA.

Mas. *Pallide cervina; palpi extus nigricantes; thorax et pectus nigro bipunctata; abdomen punctis dorsalibus nigris, e punctis nigris subtus bilineatum; pedes nigro substrigati, coxis anticis nigro punctatis; alæ anticæ punctis marginalibus nigris.*

Male. Pale fawn-colour. Palpi blackish on the outer side. Thorax with a black point on each of the tegulæ. Pectus with two black points. Abdomen with dorsal black points, and with two rows of black points on the under side. Legs slightly streaked with black; a black point on each of the fore coxæ. Fore wings with black points along the exterior border. Length of the body 7 lines; of the wings 20 lines.

a. South Africa. Presented by Sir A. Smith.

Genus PATRIDAVA.

Mas. Corpus sat robustum. Proboscis brevis. Palpi fimbriati, latissimi, brevissimi, frontem vix superantes, articulo 3o minimo. Antennæ breviusculæ, pectinatæ, ramis subclavatis. Abdomen alas posticas non superans. Pedes læves, validi, breviusculi; tibiæ posticæ quadricaratae. Alæ elongatæ; anticæ apice rotundatæ.

Male. Body rather stout. Proboscis short. Palpi fringed, very broad and short, hardly extending beyond the front; third joint extremely minute. Antennæ somewhat short, rather broadly pectinated; branches stout, subclavate. Abdomen not extending beyond the hind wings. Legs smooth, stout, rather short; hind tibiæ with four moderately long spurs. Wings elongate. Fore wings somewhat rounded at the tips; costa straight; exterior border hardly convex, very oblique.

PATRIDAVA TENSARIA.

Mas. *Nigricante-cinerea*; *alæ nigro subconspersæ, lineis duabus nigris tenuissimis subangulatis*; *anticæ puncto discali nigro, linea exteriorè costam versus retracta.*

Male. Blackish cinereous, hardly paler beneath. Wings very thinly and minutely speckled with black; interior and exterior lines black, very slender, slightly angular and oblique, very indistinct in the hind wings. Fore wings with a black discal point; exterior line retracted towards the costa. Length of the body $3\frac{1}{2}$ lines; of the wings 11 lines.

a. ———?

Genus UTIDAVA.

Mas. Corpus sat robustum. Proboscis obsoleta. Palpi lanceolati, subdecumbentes, capitis latitudine breviores, articulo 3o minimo. Antennæ subpectinatae. Abdomen sublineare, alas posticas non superans. Pedes graciles, subpilosus; tibiæ posticæ calcaribus quatuor longis. Alæ elongatæ, non latæ; anticæ apice subrotundatæ, costa vix convexa.

Male. Body moderately stout. Proboscis obsolete. Palpi lanceolate, slightly decumbent, shorter than the breadth of the head; third joint very acute and minute. Antennæ minutely pectinated. Abdomen nearly linear, not extending beyond the hind wings. Legs slender, slightly pilose; hind tibiæ with four long spurs. Wings elongate, not broad. Fore wings slightly rounded at the tips; costa and exterior border very slightly convex, the latter very oblique.

UTIDAVA INCOMPTARIA.

Mas. *Cinerea*; *caput testaceo-cinereum*; *alæ anticæ fascia exteriorè fusca recta valde diffusa, fascia interiorè interrupta, macula discali punctisque marginalibus nigris.*

Male. Cinereous, with a slightly testaceous tinge. Fore wings with an exterior brown straight oblique very diffuse band; discal spot black, approximate to an angle formed by the exterior band and a short interrupted black interior band; marginal points black. Length of the body 4 lines; of the wings 14 lines.

a. Ceylon. From Mr. Stevens' collection.

Genus BUDARA.

Mas. Corpus gracile. Frons lata. Proboscis mediocris. Palpi graciles, subdecumbentes, capitis latitudine multo breviores; articulus 3us linearis, 2o vix brevior. Antennæ pectinatæ. Abdomen alas posticas non superans; fasciculus apicalis brevis. Pedes læves, vix graciles; tibiæ posticæ quadricalcaratæ. Alæ elongatæ; anticæ vix acutæ, costa subconvexa, angulo exteriore valde rotundato.

Male. Body slender. Front broad. Proboscis moderately long. Palpi slightly decumbent, slender, much shorter than the breadth of the head; third joint linear, rounded at the tip, nearly as long as the second. Antennæ moderately pectinated. Abdomen not extending beyond the hind wings; apical tuft short. Legs smooth, hardly slender; hind tibiæ with four moderately long spurs. Wings elongate, moderately broad. Fore wings hardly acute; costa and exterior border slightly convex, the latter rather oblique; interior angle much rounded.

BUDARA CONVERSATA.

Mas. *Albido-cinerea; alæ linea fusca recta postice pallida et diffusa, puncto discali nigro; anticæ linea interiore fusca recta postice subobsoleta, costa fusco conspersa.*

Male. Whitish cinereous. Wings with a brown straight oblique line, which extends from near the tips of the fore wings to beyond the middle of the interior border of the hind wings; this line is pale, diffuse and incomplete in the hind wings; discal point black; under side brown-speckled. Fore wings with a brown straight upright interior line, which is nearly obsolete hindward; costa brown-speckled. Length of the body 6 lines; of the wings 20 lines.

Rio Janeiro. In Mr. Fry's collection.

Genus PATRUISSA.

Mas. Corpus robustum. Proboscis breviuscula. Palpi brevissimi, porrecti, frontem non superantes; articulus 3us minimus. Antennæ late pectinatæ. Abdomen alas posticas vix superans. Pedes læves; tibiæ posticæ calcaribus quatuor parvis. Alæ elongatæ; anticæ apice rotundatæ, costa recta, margine exteriori subrecto perobliquo.

Male. Body stout. Proboscis rather long. Palpi porrect, very short, not extending beyond the front; third joint very minute. Antennæ broadly pectinated; branches very thick-set. Abdomen hardly extending beyond the hind wings. Legs smooth, moderately stout; hind tibiæ with four short spurs. Wings elongate. Fore wings rounded at the tips; costa straight; exterior border nearly straight, very oblique.

PATRUISSA PYRRHOPHÆATA.

Mas. *Nigricante-cinerea, subtus læte ochracea; caput antice nigrum; alæ fascia fusca lata undulata angulata nigro marginata antice dilatata; anticæ spatio marginali nigricante.*

Male. Blackish cinereous, bright orange beneath. Head black in front. Wings with a brown oblique broad undulating angular black-bordered band, which is much dilated towards the costa of the fore wings; under side without markings. Fore wings with the space between the band and the exterior border mostly blackish; under side reddish orange. Length of the body $6\frac{1}{2}$ lines; of the wings 16 lines.

a. ———? Presented by T. Tatum, Esq.

Genus CHIRIPHE.

Mas. Corpus gracile. Proboscis conspicua. Palpi breves, ascendentes, lanceolati, vix arcuati, articulo 3o parvo. Antennæ pubescentes. Abdomen alas posticas non superans; fasciculus apicalis parvus. Pedes læves, breviusculi; tibiæ posticæ calcaribus quatuor approximatis. Alæ amplæ; anticæ apice rotundatæ, costa margineque exteriori subrectis.

Male. Body slender. Proboscis distinct. Palpi ascending, smooth, lanceolate, very slightly curved, not rising so high as the

vertex ; third joint lanceolate, not more than one-fourth of the length of the second. Antennæ minutely pubescent. Abdomen not extending beyond the hind wings ; apical tuft small. Legs smooth, rather short ; hind tibiæ with four approximate spurs. Wings ample. Fore wings rounded at the tips ; costa and exterior border almost straight, the latter slightly oblique.

Allied to *Minoa* ?

CHIRIPHE MONOGRAMMARIA.

Mas. *Rufescente-cervina ; caput obscurius ; alæ anticæ linea exteriorē albida subdenticulata vix obliqua.*

Male. Reddish fawn-colour. Head darker. Fore wings with an exterior transverse hardly oblique very slightly denticulated whitish line. Length of the body $2\frac{1}{2}$ lines ; of the wings 9 lines.

a. Sydney. From Mr. Diggles' collection.

Genus CHILMA.

Mas. Corpus vix robustum. Proboscis mediocris. Palpi læves, graciles, brevissimi, oblique ascendentes, articulo 3o minimo. Antennæ late pectinatæ. Alæ elongatæ, sat latæ ; anticæ apice subrotundatæ, margine exteriorē postico sat obliquo ; posticæ abdomen paullo superantes, apice subangulatæ.

Male. Body hardly stout. Proboscis moderately long. Palpi smooth, slender, very short, obliquely ascending, not rising near so high as the vertex ; third joint very minute. Antennæ broadly pectinated. Wings elongate, rather broad. Fore wings slightly rounded at the tips ; costa straight ; exterior border straight and rather oblique hindward. Hind wings extending a little beyond the abdomen, slightly angular at the tips ; interior angle rather prominent.

CHILMA FLAGRANTARIA.

Mas. *Rufescens, subtus lutea ; alæ linea exteriorē obliqua subrecta, fimbria rufa postice nigra ; anticæ linea exteriorē e guttis fuscis, lineis interiorē et submarginali guttularibus, litura subapicali nigricante roseo glaucoque signata.*

Male. Reddish, mostly luteous beneath. Wings with an exterior oblique nearly straight line, which is reddish in the hind wings and composed of brown dots in the fore wings ; fringe red, black hindward. Fore wings with the interior and submarginal

lines indicated by a few dots of various size, the former like the exterior line forming a blackish costal spot, the latter distinguished by a blackish spot near the interior angle, and by a blackish costal subapical spot, which is bordered with glaucous and with rose-colour on the outer side. Length of the body 5 lines; of the wings 16 lines.

a. Namaqua Region, South Africa. From M. Becker's collection.

Genus NAPUCA.

Mas et fœm. Corpus sat robustum. Proboscis obsoleta. Palpi porrecti, lanceolati, capitis latitudine breviores; articulus 3us acutus, minimus. Antennæ maris subpectinatæ. Abdomen alas posticas non superans. Pedes læves, vix robusti; tibiæ posticæ quadricaratae. Alæ elongatæ, subvestitæ; anticæ apice subrotundatæ, costa recta, margine exteriori subconvexo perobliquo.

Male and female. Body rather stout. Proboscis obsolete. Palpi porrect, lanceolate, shorter than the breadth of the head; third joint acute, very minute. Antennæ of the male slightly pectinated. Abdomen not extending beyond the hind wings. Legs smooth, hardly stout; hind tibiæ with four moderately long spurs. Wings elongate, moderately broad, thinly clothed. Fore wings slightly rounded at the tips; costa straight; exterior border slightly convex, very oblique.

NAPUCA ORCIFERARIA.

Mas et fœm. *Obscure cinerea; alæ linea exteriori lata diffusa maculaque discali nigricantibus.*

Male and female. Dark cinereous. Wings with a broad diffuse blackish exterior line, and with a blackish discal spot. Length of the body 5—6 lines; of the wings 14—17 lines.

The specimens here recorded are somewhat worn, and this description may therefore be incomplete.

a—d. Arctic America. Presented by Capt. Collinson.

e. Arctic America. Presented by Sir J. Richardson.

Page 1112.

RHYPARIA GRANDARIA.

Alba; thorax et abdomen pallide fulvescentia, cano-fusco maculata; alæ anticæ maculis variis discalibus et marginalibus

*cano-fuscis; posticæ maculis exterioribus punctiformibus
seriatis concoloribus.*

Rhyparia grandaria, *Felder, Wien. Ent. Monat.* 1862, 39.
Ningpo.

Page 1119.

ABRAXAS LEOPARDINATA.

p. Japan. From Mr. Fortune's collection.

Page 1125.

For *Abraxas ditritaria* read *Abraxas detritaria*.

ABRAXAS INTERRUPTARIA.

*Nigra; abdomen longum, nigricans, fulvo pallido annulatum; alæ
anticæ maculis quinque strigae subapicali albis; posticæ
macula basali, fasciis duabus discalibus abbreviatis tertiaque
exteriore flexuosa albis.*

Abraxas interruptaria, Felder, Wien. Ent. Monat. 1862, 39.
Tse-kiang, China.

ABRAXAS STRATONICE.

Cystidia Stratonice, Cat. Lep. Het. 1st Ser. 342.

Eusemia Stratonice, Ménétr. Schrenk's Amurland, ii. 1, 47. *Motsch.
Etud. Ent.* ix. 30.

Abraxas Stratonice, Felder, Wien. Ent. Monat. 1862, 39.
Ningpo.

ABRAXAS EURYPYLA.

Abraxas Eurypyla, Ménétr.

Amoor Region.

Page 1127.

For *Abraxas Conaggaria* read *Abraxas Couaggaria*.

Page 1131.

FULGURODES ACULEARIA.

a—d. Brazil. From M. Becker's collection.

Page 1135.

ORTHOSTIXIS LÆTATA.

a. Europe. From Dr. Herrich-Schæffer's collection.

Page 1138.

NIPTERIA INCOLORARIA.

a, b. Brazil. From Dr. Herrich-Schæffer's collection.

Page 1135.

Genus COMIDAVA.

Mas et fœm. Corpus crassum. Vertex fasciculatus. Proboscis robusta. Palpi breves, oblique ascendentes, articulo 3o minimo. Antennæ maris pectinatæ, apices versus simplices. Abdomen maris alas posticas paullo superans. Pedes sat validi. Alæ elongatæ; anticæ acutæ, costa recta, margine exteriori convexo perobliquo.

Male and female. Body thick. Vertex tufted. Proboscis stout, moderately long. Palpi obliquely ascending, applied to the head, not rising near so high as the vertex; third joint extremely small. Antennæ of the male moderately pectinated to beyond half the length. Abdomen of the male extending a little beyond the hind wings. Legs rather stout; spurs moderately long. Wings elongate. Fore wings acute; costa straight; exterior border convex, very oblique.

COMIDAVA OBLIQUILINEA.

Mas et fœm. Pallide cervina; vertex cervino-albidus; thorax vittis duabus obliquis fuscis; alæ anticæ lineis tribus fuscis, 1a vix obliqua, 2a obliqua subrecta, 3a submarginali vix conspicua.

Male and female. Pale fawn-colour. Vertex, hind wings and under side whitish, slightly tinged with fawn-colour. Thorax with two brown oblique stripes. Fore wings with a brown almost straight line, which extends from the tips to the middle of the interior border; interior line brown, slight, upright; submarginal line very indistinct. Length of the body 7—8 lines; of the wings 18 lines.

Brazil.

a. Venezuela. From Mr. Dyson's collection.

COMIDAVA OBLIQUICOLA.

Fœm. *Pallide cervina, subtus albida; caput albo fasciatum; palpi sat graciles, subtus albid; alæ anticæ lineis duabus rectis postice approximatis strigaeque brevi marginali ferrugineis; posticæ albidæ.*

Female. Pale fawn-colour. Abdomen, hind wings and under side whitish, partly and slightly tinged with fawn-colour. Head with a white band. Palpi rather slender, whitish beneath; third joint conical, very minute. Hind tibiæ with four long spurs. Fore wings with two straight oblique ferruginous lines, which converge hindward; a basal ferruginous streak and a short transverse ferruginous streak near the middle of the exterior border. Length of the body 8 lines; of the wings 20 lines.

a. Para. From Mr. Johnson's collection.

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HYBERNIA ANKERARIA.

Lutescens; alæ anticæ ubique fuscescente irroratæ, strigis duabus (altera ante, altera post medium superius flexa) punctoque interjecto fuscescentibus; posticæ exalbidæ puncto medio fuscescente, subtus fusco-cinereo irroratæ.

Hibernia Ankeraria, Staud. Stett. Ent. Zeit. xxii. 292.

Hungary.

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ANISOPTERYX RESTITUENS.

Mas. *Obscure cinerea; antennæ vix pectinatæ; abdomen subflavescens; alæ cinereæ, litura discali tenui nigricante, punctis marginalibus nigris; anticæ lineis duabus obscure cinereis indistinctis undulatis albido marginatis, costa obscure cinerea.*

Male. Dark cinereous. Antennæ very slightly pectinated. Abdomen with a yellowish tinge. Wings cinereous, with a slight blackish discal mark and with black marginal points. Fore wings with two indistinct undulating dark cinereous whitish-bordered lines; costa dark cinereous. Length of the body 5 lines; of the wings 14 lines.

Canada. In Mr. D'Urban's collection.

ANISOPTERYX SERICEIFERATA.

Mas. *Sordide cinerea; antennæ setulosæ, pubescentes; alæ sericeæ, fimbria longa; anticæ apice rotundatæ, nigro conspersæ, lineis quatuor fuscis diffusis plus minusve interruptis et indistinctis, striga apicali obliqua nigricante, annulo discali fusciscente indistincto nonnunquam obsoleto; posticæ lituris nullis.*

Male. Dingy cinereous. Palpi extremely short. Antennæ minutely setulose and pubescent. Hind tibiæ with four moderately long spurs. Wings elongate, silky; fringe long, full. Fore wings somewhat rounded at the tips, minutely speckled with black, with four diffuse oblique more or less interrupted and indistinct brownish lines; an oblique apical blackish streak; discal ringlet brownish, indistinct, sometimes obsolete; exterior border slightly convex, rather oblique. Hind wings without markings. Length of the body 5 lines; of the wings 16 lines.

a—e. United States. Presented by E. Doubleday, Esq.

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CHEIMATOBIA BOREATA.

j. Nova Scotia. From Lient. Redman's collection.

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OPORABIA PUNCTIPES.

Cinerea; alæ anticæ fascia obliqua strigisque undulatis pallidis; pedes albo maculati.

Oporabia punctipes, Curtis, Append. Ross Narr. 2nd Voy. 73, 20.
Arctic America.

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LARENTIA AUSTRIACARIA.

a. Europe. From Dr. Herrich-Schæffer's collection.

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LARENTIA POLATA.

Larentia Brullei, Dup. Lefebv. Ann. Soc. Ent. Fr. v. 399, pl. 10, f. 8.

Larentia Brullearia, *Dup. Lep. Suppl.* iv. 28, pl. 52, f. 7.

Larentia decrepitata, *Zett. Ins. Lapp.* 962, 3.

Melanippe Brullei, p. 1284.

Greenland.

LARENTIA CÆSIATA.

Var. *Alæ anticæ nigricantes*.

Cidaria glaciata, *Germ. Faun. Ins. Eur.* pl. 15, f. 18. *Zett. Ins. Lapp.* 959.

Iceland.

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LARENTIA CYANATA.

a, b. Europe. From Dr. Herrich-Schæffer's collection.

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LARENTIA TOPHAECATA.

a, b. Europe. From Dr. Herrich-Schæffer's collection.

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LARENTIA INCULTARIA.

a, b. Europe. From Dr. Herrich-Schæffer's collection.

LARENTIA AQUEATA.

a, b. Europe. From Dr. Herrich-Schæffer's collection.

LARENTIA NEBULATA.

a—e. Europe. From Dr. Herrich-Schæffer's collection.

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LARENTIA INCURSATA.

a. Europe. From Dr. Herrich-Schæffer's collection.

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LARENTIA KOLLARIARIA.

a. Europe. From Dr. Herrich-Schæffer's collection.

LARENTIA TURBATA.

a—d. Europe. From Dr. Herrich-Schæffer's collection.

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LARENTIA APTATA.

a—d. Europe. From Dr. Herrich-Schæffer's collection.

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LARENTIA ALFACARIA.

Sordide cinerea; alæ anticæ strigis undulatis dilutioribus, area media vix saturatiore; posticæ supra sublusque puncto medio fusco signatæ.

Cidaria Alfacaria, *Staud. Stett. Ent. Zeit.* 1859, 219.

Larentia Novadaria, *Boisd. Ind.* 205.

Andalusia.

LARENTIA CONSPECTARIA.

Larentia conspectaria, *Mann. Wien. Ent. Monat.* 1859, 104, pl. 1, f. 2, 3.

Austria.

LARENTIA UNISTRIGATA.

Larentia unifasciata, *Mén. Middendorf, Sibir. Reise.* 58, pl. 3, f. 12.

Cidaria unistrigata, *Staud. Cat. Lep. Eur.* 80, 534.

Siberia.

LARENTIA PORCATARIA.

Statura L. aquariæ; alæ anticæ oblique cinereo alboque sericeo vittatæ; posticæ maris albidæ, fæminæ infuscatæ.

Larentia porcataria, *Kindermann, Boisd. Ann. Soc. Ent. Fr.* 2me Sér. vi. xxx. 13.

Odessa or Caucasus.

LARENTIA SINUOSARIA.

Alæ cinereæ, ciliis nigricante variæ; anticæ nigricante adumbratæ, striga media bisinuata nigra, per striolam mediam atram ducta; posticæ ad marginem internum nigricante undulatæ, puncto medio nigro.

Larentia sinuosaria, *Eversm. Bull. Soc. Imp. Nat. Mosc.* xxi. 230, 20.

Irkutsk, E. Siberia.

LARENTIA MOLLICULARIA.

Alæ utrinque cinereo-cervinæ, concolores; anticæ superne fascia media latissima obscuriore, utrinque per lineam pallidam terminata; posticæ linea singula externa pallida.

Larentia mollicularia, *Eversm. Bull. Soc. Imp. Nat. Mosc.* xxi. 3, 229, 19.

Noor-Saisan district.

LARENTIA INFIDATA.

Larentia infidata, *Delah.*

Switzerland.

LARENTIA ANNOSATA.

Canæ; alæ anticæ cinereo-irroratæ, fascia basali parva, et media, obscurioribus, hac margine externo crenato puncto medio nigro; posticæ cano-albidæ, puncto ante medium obscuro.

Larentia annosata, *Zett. Ins. Lapp.* 962, 4.

Lapland.

LARENTIA INTRICATA.

Alæ canæ, cinereo-irroratæ, strigis crebris obscurioribus, puncto medio minuto nigro.

Larentia intricata, *Zett. Ins. Lapp.* 962, 6.

Sweden. Lapland.

LARENTIA? ANGUSTATA.

Alæ fuscæ; anticæ strigis undulatis albis et fascia media obliqua obscura medio puncto nigro.

Larentia angustata, *Zett. Ins. Lapp.* 963, 7.

Lapland.

LARENTIA? VIRIDULATA.

Alæ anticæ subcinereo-virescentes, strigis undulatis nigris fasciisque duabus undatis albidis.

Larentia viridulata, Zett. *Ins. Lapp.* 962, 5.

Geometra miata? Linn. *Faun. Suec.* 1268.

Lapland.

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LARENTIA LUGUBRATA.

Lygris lugubrata, Möschler, *Wien. Ent. Monat.* vi. 136, pl. 1, f. 7.

Labrador.

LARENTIA FUMIDOTATA.

Mas. *Nigricante-cinerea*; *caput pilosum*; *palpi porrecti*; *alæ lunulis marginalibus nigricantibus, fimbria pallide cinerea notata*; *anticæ acutæ, lineis denticulatis pallide cinereis*.

Male. Blackish cinereous. Head very pilose in front. Palpi porrect, extending very little beyond the head; third joint extremely short. Abdomen not extending beyond the hind wings. Legs smooth; hind tibiæ with four rather long spurs. Wings moderately broad; marginal lunules blackish; fringe pale cinereous, with dark marks. Fore wings acute, with several pale cinereous denticulated lines; costa almost straight; exterior border slightly convex, rather oblique. Length of the body 5 lines; of the wings 17 lines.

a. West Greenland. Presented by M. Boie.

LARENTIA? COSTINOTATA.

Fœm. *Subcervino-cinerea*; *palpi fimbriati, articulo 3o minimo*; *antennæ validæ*; *alæ linea marginali fuscescente, fimbria albido-cinerea fuscescente punctata*; *anticæ apice rotundatæ, costa subconvexa fuscescente albido conspersa et trimaculata*; *posticæ nigro conspersæ*.

Female. Cinereous, with a slight tinge of pale fawn-colour. Palpi porrect, fringed, extending a little beyond the head; third joint very minute. Antennæ stout. Wings ample, with a brownish marginal line; fringe whitish cinereous, with brownish points. Fore wings somewhat rounded at the tips; costa slightly convex, brownish, with whitish speckles and with three whitish spots; exterior border slightly convex, rather oblique. Hind wings extending beyond the abdomen; under side irregularly and transversely speckled with black. Length of the body 5 lines; of the wings 16 lines.

a, b. New York. Presented by E. Doubleday, Esq.

LARENTIA INQUINATA.

Mas. *Viridescence-cinerea; palpi graciles, breves, subarcuati, oblique ascendentes; antennæ validæ, subpubescentes; alæ anticæ elongatæ, acutæ, fasciis quatuor e lineis denticulatis nigris, plagis duabus marginalibus fuscis, punctis marginalibus nigris.*

Male. Greenish cinereous. Palpi slender, smooth, slightly curved, obliquely ascending, not rising so high as the vertex; third joint conical, very minute. Antennæ stout, slightly pubescent. Abdomen not extending beyond the hind wings. Fore wings elongate, acute, with four bands, each of which is composed of three or more denticulated black lines; a brown patch along the fore part of the exterior border, and a larger one along most part of the interior border; this patch extends nearly to the costa between the first and second bands, and extends along most part of the third band; marginal points black; exterior border slightly convex, very oblique. Length of the body 6 lines; of the wings 18 lines.

Jamaica. In Mr. Saunders' collection.

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LARENTIA ESURIATA.

Fœm. *Fuscescente-cinerea; palpi minimi; alæ elongatæ; anticæ acutæ, fusco conspersæ, lineis nonnullis dentatis fuscis, tribus magis determinatis albido marginatis, linea submarginali albida angulosa, punctis marginalibus nigricantibus.*

Female. Brownish cinereous, cinereous beneath. Palpi very minute, not extending beyond the head. Wings elongate. Fore wings acute, minutely and diffusely speckled with brown; some brown dentate lines, of which three are darker and more distinct than the others and are whitish-bordered; submarginal line whitish, zigzag; marginal points blackish; costa straight; exterior border slightly curved, very oblique. Hind wings more cinereous, without markings. Length of the body 4 lines; of the wings 12 lines.

a. Port Famine. Presented by C. Darwin, Esq.

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LARENTIA CONTURBATA.

Mas. *Cinereo-fusca*; palpi lati, breves, oblique ascendentes; antennæ subserratae, setulosæ; alæ elongatæ, nigricante conspersæ; anticæ acutæ, ex parte albido-cinereæ, fasciis tribus ochraceis undulatis nigro marginatis et interlineatis; posticæ lineis nonnullis fuscis subdenticulatis.

Male. Cinereous-brown, mostly whitish cinereous beneath. Palpi broad, obliquely ascending, not rising higher than the vertex; third joint very minute. Antennæ minutely serrated and setose. Wings elongate, thickly blackish-speckled. Fore wings acute, partly whitish cinereous, with three irregular undulating ochraceous bands, which are bordered and interlined with black; costa and exterior border straight, the latter very oblique. Hind wings with several brown slightly denticulated lines, extending a little beyond the abdomen. Length of the body $5\frac{1}{2}$ lines; of the wings 18 lines.

a. North Hindostan. Presented by Capt. Strachey.

LARENTIA COMPENSATA.

Fœm. *Cinerea, robusta*; corpus supra ferrugineo-fuscum; palpi caput non superantes; abdominis dorsum cristatum; alæ anticæ vix acutæ, lineis plurimis dentatis fuscis, fasciis tribus fuscescente-cinereis fusco marginatis et interlineatis; posticæ fuscescente-cinereæ, lineis nonnullis fuscis arcuatis.

Female. Cinereous, stout. Body above ferruginous-brown. Palpi porrect, not extending beyond the head. Abdomen with dorsal crests. Fore wings hardly acute, with many dentate brown lines, and with three brownish cinereous bands, which are bordered and interlined with dark brown; costa straight; exterior border slightly convex, rather oblique. Hind wings brownish cinereous, with some brown curved lines. Length of the body 5 lines; of the wings 16 lines.

a. Ceylon. From Mr. Stevens' collection.

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LARENTIA INOPERATA.

Cidaria cineraria, Doubl. Dieffenbach's New Zealand.

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LARENTIA EXPRIMATARIA.

Mas. *Cinereo-fusca* ; palpi breves, lati, obtusi, articulo 3o minimo ; antennæ subpectinatæ ; thorax postice bicristatus ; alæ anticæ apice subrotundatæ, lineis quatuor undulatis, 3a 4aque dentatis cinereo submarginatis ; posticæ pallide cinereæ, lineis duabus spatique marginali fuscescentibus.

Male. Cinereous-brown, pale cinereous beneath. Palpi porrect, short, broad, obtuse, extending very little beyond the head. Antennæ slightly pectinated. Thorax with two crests hindward. Fore wings slightly rounded at the tips, with four black lines ; first and second lines slightly undulating ; third and fourth dentate and undulating, approaching each other in the disk, slightly bordered with pale cinereous on the outer side ; costa and exterior border nearly straight. Hind wings pale cinereous ; two lines and the marginal space brownish. Length of the body 5 lines ; of the wings 14 lines.

a. ——— ? Presented by the Entomological Club.

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EMMELESIA HYDRATA.

a—c. Europe. From Dr. Herrich-Schæffer's collection.

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EMMELESIA ? ABDITARIA.

Emmelesia abditaria, *Herr.-Sch. Eur. Schm.* vi. 138 ; *N. Schm.* 51.

Europe.

EMMELESIA INCILIATA.

Alæ anticæ fuscae, fasciis tribus undulatis albis, antica et postica simplicibus, intermedia per strigam mediam longitudinalem tenuissimam geminata ; posticæ albæ.

Acidalia inciliata, *Zett. Ins. Lapp.* 901, 9.

Lapland. North Sweden.

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EUPITHECIA EXTREMATA.

a. Europe. From Dr. Herrich-Schæffer's collection.

Page 1219.

EUPITHECIA TRIPUNCTARIA.

a—d. Europe. From Dr. Herrich-Schæffer's collection.

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EUPITHECIA PIMPINELLATA.

a. Europe. From Dr. Herrich-Schæffer's collection.

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EUPITHECIA TRISIGNARIA.

a, b. Europe. From Dr. Herrich-Schæffer's collection.

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EUPITHECIA TENUIATA.

d, e. Europe. From Dr. Herrich-Schæffer's collection.

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EUPITHECIA HOSPITATA.

a—d. Europe. From Dr. Herrich-Schæffer's collection.

EUPITHECIA GRATIOSATA.

Eupithecia gratiosata, *Herr.-Sch. Neue Schm.* 135, 27.

Europe.

EUPITHECIA EUPHRASIATA.

Eupithecia euphrasiata, *Schmid. Herr.-Sch. Correspond.* No. 17.

Europe.

EUPITHECIA SELINATA.

Eupithecia selinata, *Herr.-Sch. Correspond.* No. 17.

Europe.

EUPITHECIA CAMPANULATA.

Eupithecia campanulata, *Herr.-Sch. Correspond.* No. 17.

Europe.

EUPITHECIA HYPERBOREATA.

Mas et fœm. *Cinerascens*; *alæ albidō strigosæ*; *anticæ lanceolatae*, *puncto discali nigro*.

Eupithecia hyperboreata, *Staud. Stett. Ent. Zeit.* xxii. 400. *Herr.-Sch. Correspond.* No. 17, 132.

Finmark.

EUPITHECIA ALTENARIA.

Cinerascens; *alæ obsolete albido strigosæ*; *anticæ acutiusculæ*, *puncto discali nigro*.

Eupithecia Altenaria, *Staud. Stett. Ent. Zeit.* xxii. 401. *Herr.-Sch. Correspond.* No. 17, 132.

Finmark.

EUPITHECIA GEMELLATA.

Eupithecia gemellata, *Herr.-Sch. Correspond.* No. 17.

Europe.

EUPITHECIA UNDATA.

Eupithecia undata, *Frey. Neue Beit.* 323, 2.

Europe.

EUPITHECIA SCORIATA.

Plumbeo-nigra, *lineolis transversis dilutioribus*.

Eupithecia scoriata, *Staud. Stett. Ent. Zeit.* xviii. 265.

Iceland.

EUPITHECIA INSULARIATA.

Fusca; *abdomen ferrugineo punctatum*; *alæ anticæ albido lineatæ*, *dorso margineque postico ferrugineo suffusis*; *posticæ fascia tenui ferruginea ante lineam submarginalem*.

Eupithecia insulariata, *Staint. Ann. Nat. Hist.* 3rd Ser. iii. 209.

Madeira.

EUPITHECIA GELIDATA.

Eupithecia gelidata, *Moeschl. Wien. Ent. Mon.* iv. 376.

Labrador.

EUPITHECIA TRITARIA.

Mas. *Viridescence-cinerea; palpi breves, latiusculi, obtusi; antennæ validæ; abdomen cylindricum, apice subtumidum, alas posticas paullo superans; alæ elongatæ, lineis plurimis obscurioribus denticulatis obscurioribus; anticæ subacutæ, puncto discali nigricante; posticæ lineis subobsoletis.*

Male. Greenish cinereous, paler beneath. Palpi porrect, obtuse, rather broad, much shorter than the breadth of the head; third joint conical, very minute. Antennæ stout. Abdomen cylindrical, somewhat tumid towards the tip, extending a little beyond the hind wings. Legs smooth; hind tibiæ with four long spurs. Wings elongate, with many indistinct darker denticulated lines. Fore wings slightly acute, with a blackish discal point; costa straight; exterior border slightly convex, very oblique. Hind wings with the lines almost obsolete. Length of the body 4 lines; of the wings 10 lines.

a. Venezuela. From Mr. Dyson's collection.

EUPITHECIA SPILOSATA.

Mas. *Cinerea; palpi lanceolati, latiusculi, capitis latitudine vix breviores, articulo 3o minimo; antennæ glabræ; abdominis fasciculus apicalis albus; alæ sat angustæ, punctis marginalibus nigris; anticæ vix acutæ, gutta discali lineisque exteriori et submarginali punctularibus nigris.*

Male. Cinereous. Palpi porrect, lanceolate, rather broad, nearly as long as the breadth of the head; third joint very minute. Antennæ smooth. Abdomen extending a little beyond the hind wings; apical tuft white, small. Wings rather narrow; marginal points black. Fore wings hardly acute; exterior and submarginal lines composed of black points; discal dot black; under side with the exterior line obsolete hindward, composed in front of a few black dots, of which the largest is costal; exterior border convex, very oblique. Length of the body 4 lines; of the wings 10 lines.

a. Honduras. From Mr. Dyson's collection.

EUPITHECIA? STRIATALIS.

Ferruginea; alæ elongatæ, lineis exterioribus tribus nigris obliquis subrectis; anticæ macula marginali subapicali albâ.

Phalæna-Pyralis striatalis, Stoll. *Cram. Pap. Exot.* v. 41, pl. 8, f. 6.
Surinam.

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EUPITHECIA SEMIALBATA.

Mas. *Cinerea*; palpi rostriformes, capitis latitudine breviores; thorax subviridescens; alæ latiusculæ; anticæ fusco fasciatæ, lineis denticulatis obliquis nigris, fascia latissima alba, costa basali subviridescente; posticæ schistaceo-cinereæ, lineis fuscis indistinctis.

Male. Cinereous, paler beneath. Palpi porrect, rostriform, not so long as the breadth of the head. Thorax and the base of the costa with a slight greenish tinge. Wings rather broad. Fore wings with brown bands and with denticulated oblique black lines; a very broad exterior irregular white band, which is much contracted towards the costa; tips somewhat rounded. Hind wings slaty cinereous, with several indistinct denticulated brown lines. Length of the body $3\frac{1}{2}$ lines; of the wings 9 lines.

a. Auckland, New Zealand. From Mr. Oxley's collection.

EUPITHECIA INEXPIATA.

Mas. *Fuscescente-cinerea, gracilis*; palpi breves, lati, obtusi; antennæ subpectinatae; alæ elongatæ, cinereæ, lineis ferrugineis valde dentatis; anticæ subacutæ, gutta discali fusca, margine exteriore perobliquo.

Male. Brownish cinereous, slender, paler beneath. Palpi short, broad, obtuse; third joint extremely minute. Antennæ slightly pectinated; branches remote from each other. Abdomen with a very small apical tuft. Wings elongate, cinereous, with ferruginous deeply dentate lines, which are mostly arranged in pairs and are indistinct on the hind wings. Fore wings slightly acute, with a brown discal dot; costa and exterior border nearly straight, the latter extremely oblique. Length of the body 4 lines; of the wings 12 lines.

a. New Zealand. Presented by Dr. Sinclair.

EUPITHECIA INDICATARIA.

Mas. *Glauco-viridis*; corpus testaceum; palpi fimbriati, oblique ascendentes, capitis latitudine non breviores, articulo 3o minimo;

alæ latiusculæ, striga discali fusca; anticæ apice rotundatæ, basi testaceæ, lineis interioribus plagisque marginalibus fuscis, linea exteriori interrupta denticulata strigisque tribus marginalibus nigris, plaga discali albida; posticæ cinereæ, margine interiore viridescente lineis fuscis.

Male. Glaucous-green, cinereous beneath. Body testaceous. Palpi obliquely ascending, fringed, as long as the breadth of the head; third joint extremely minute. Hind tibiæ with the apical spurs much shorter than the first pair. Wings rather broad as compared with most species; discal streak brown. Fore wings rounded at the tips, testaceous at the base, with some brown diffusedly-shaded lines towards the base, and with some brown patches along the exterior border, where there are three short black longitudinal streaks; an exterior black interrupted denticulated line, which borders the inner side of a whitish discal patch; exterior border slightly convex, very oblique. Hind wings cinereous, greenish, and with brown lines along the interior border. Length of the body 4 lines; of the wings 10 lines.

a. New Zealand. Presented by the Rev. W. Colenso.

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SAURIS MESOGRAMMATA.

Fœm. Læte viridis; palpi lanceolati, fimbriati, capitis latitudine multo longiores, articulo 3o nigricante; antennæ subcompressæ; pedes nigro fasciati; tibiæ posticæ bicalcaratæ; alæ anticæ apice subrotundatæ, e lineis plurimis dentatis nigris sex fasciatæ; posticæ cinereæ, lituris nullis.

Female. Vivid green. Palpi porrect, lanceolate, fringed, much longer than the breadth of the head; third joint lanceolate, blackish, less than half the length of the second. Antennæ slightly compressed. Abdomen cinereous, extending a little beyond the hind wings. Legs smooth, slender, with black bands; hind tibiæ with apical spurs only. Fore wings slightly rounded at the tips, with several dentate black lines, which form six irregular and incomplete black bands; costa straight; exterior border very oblique. Hind wings cinereous, without markings. Length of the body 6—7 lines; of the wings 16—18 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

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Dele *Acasis lobulata*, &c.

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LOBOPHORA FUSIFASCIATA.

- a—c.* New York. Presented by E. Doubleday, Esq.
d—l. Nova Scotia. From Lieut. Redman's collection.

LOBOPHORA ATROLITURATA.

Mas et fœm. *Alba*; *caput nigro fasciatum*; *palpi caput non superantes*; *thorax nigro fasciatus*; *abdomen fasciis interruptis nigricantibus*; *alæ anticæ apice rotundatæ, fasciis quatuor indistinctis viridescente-cinereis, lineis quinque dentatis nunquam plus minusve interruptis aut obsoletis, punctis marginalibus nigris*; *posticæ lineis paucis pallide fuscis indistinctis aut subobsoletis*.

Male and female. White. Head with a black band. Palpi porrect, not extending beyond the head; third joint extremely small. Thorax with a broad black band. Abdomen with interrupted black bands. Fore wings somewhat rounded at the tips, with four indistinct oblique greenish cinereous bands, and with five dentate oblique irregular lines; these lines are often more or less interrupted, and some of them are occasionally obsolete, and in one instance there is a brown band beyond the fourth line; marginal points black; costa straight; exterior border slightly convex, very oblique. Hind wings with a few indistinct and sometimes nearly obsolete pale brownish lines. Length of the body 5—6 lines; of the wings 16—18 lines.

- a—f.* Nova Scotia. From Lieut. Redman's collection.
g. Orilla, West Canada. From Mr. Bush's collection.
h. Vancouver's Island. Presented by Dr. Lyall.

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LOBOPHORA ? BIFILIFERATA.

Mas. *Albida*; *palpi brevissimi*; *antennæ pubescentes*; *thorax antice subcervinus*; *tibiæ posticæ bicalcaratæ*; *alæ sat angustæ*; *anticæ apice subrotundatæ, costa subtestacea basi rugulosa, lineis tribus duplicatis unaque simplici nigris, punctis marginalibus nigris*.

Male. Whitish. Palpi very short. Antennæ stout, minutely pubescent. Thorax with a slight pale fawn-coloured tinge in front. Legs smooth; hind tibiæ with two apical spurs, one of which is long. Wings rather narrow. Fore wings slightly rounded at the tips, with a testaceous tinge along most of the costa, which is rugulose at the base; four various black lines, of which the three first are double; first line much curved outward; second angular; third much abbreviated hindward; fourth very deeply zigzag; some black speckles between the lines; marginal points black; costa and exterior border slightly convex, the latter very oblique. Length of the body 5? lines; of the wings 14 lines.

Brazil. In Mr. Saunders' collection.

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YPSIPETES QUADRIPUNCTATA.

Mas. *Viridescence-cinerea; palpi validi, capitis latitudine vix breviores, articulo 3o longi-conico; antennæ compressæ, vix pubescentes; thorax nigro quadriguttatus; alæ elongatæ; anticiæ vix acutæ, e lineis plurimis undulatis nigris trifasciatæ; posticæ cinereæ, lituris nullis.*

Male. Greenish cinereous, pale cinereous beneath. Palpi porrect, stout, nearly as long as the breadth of the head; third joint elongate-conical, less than half the length of the second. Antennæ stout, compressed, hardly pubescent. Thorax with two black dots on each of the tegulæ. Wings elongate. Fore wings hardly acute, with several very undulating black lines, which are arranged in three bands; costa straight; exterior border slightly convex, very oblique. Hind wings cinereous, without markings. Length of the body 6? lines; of the wings 16 lines.

a. Venezuela. From Mr. Dyson's collection.

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MELANTHIA BICUSPIDARIA.

Melanthia bicuspidaria, Ghiliani, Lepidotteri Sardi, 89.

Sardinia.

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MELANIPPE OBDUCTATA.

Cidaria obductata, Möschler, Wien. *Ent. Monat.* iv. 374, pl. 10, f. 3.
M. luctuata, var. ?

Labrador.

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MELANIPPE COLORATA.

Mas. *Albido-cinerea, vix rufescens; caput et thorax cinereo-viridia; abdomen guttis trigonis nigris bivittatum; alæ punctis marginalibus nigris; anticæ basi fasciæque obscure viridibus, spatio marginali viridi apud apices nigricante.*

Male. Whitish cinereous, with a slight reddish tinge. Head and thorax cinereous-green. Abdomen with two rows of triangular black dots. Wings with black marginal points. Fore wings with the base and the band dark green, the latter much tinged with dark red; marginal space green, blackish towards the tips. Length of the body $5\frac{1}{2}$ lines; of the wings 12 lines.

Var. Whitish. Body cinereous, black-speckled. Wings with a slender blackish interrupted marginal line. Fore wings with a broad undulating dark olive band, which is dilated in front and is bordered and interlined with black; submarginal line white, denticulated, almost obsolete, except where it intersects a blackish subapical patch. Hind wings with two indistinct darker lines, which correspond to the borders of the band of the fore wings.

a, b. Cape Town. From Mr. Trimen's collection.

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MELANIPPE TELIFERATA.

Mas. *Nigra; palpi lanceolati, capitis latitudine non breviores, subtus basi albidi; pedes albo lineati; alæ anticæ apice rotundatæ, fascia antice furcata lineisque duabus exterioribus postice connexis albis, lineolis tribus ochraceis subclavatis lineolisque tribus pallide cyanescentibus, linea marginali tenui subcyanescente; posticæ albæ, linea exteriori undulata nigra, macula discali spatique marginali nigricantibus.*

Male. Black. Palpi lanceolate, nearly conniving at their tips, fully as long as the breadth of the head, whitish beneath at the base; third joint lanceolate, about half the length of the second. Abdomen not extending beyond the hind wings; apical appendages large. Legs smooth, slender, lined with white; first pair of spurs much longer than the apical pair. Fore wings somewhat rounded at the tips, with a white band, which is forked in front, and with two more exterior white lines, which are connected at the interior angle; three subclavate ochraceous lines and three less distinct pale bluish lines along the apical part of the costa; marginal line slender, pale bluish; under side with the band dilated, and with the submarginal line forming two spots. Hind wings white, with a blackish discal spot, and with a black undulating exterior line, beyond which the surface is nearly wholly blackish, with the exception of the fringe; under side with black speckles towards the base, and with a curved abbreviated pale bluish submarginal line. Length of the body 6 lines; of the wings 16 lines.

a. Australia. From Mr. Argent's collection.

b. ——— ?

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COREMIA MUNITATA.

Geometra arcticaria, *Germ. Faun. Ins. Eur.* xvi. f. 25. *Zett. Ins. Lapp.* 964, 2. *Metzner, Ent. Zeit. Stett.* vii. 241, 3.

Iceland.

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COREMIA PONTISSALARIA.

Alæ anticæ subcinereo-albicantes, fascia fusca basali, fascia media fusco-nigricante, in medio angulosa lata ad summum subtusque coarctata; posticæ cinerascens, linea gemina angulosa albicantes; punctum oblongum discale anticis nigrum, posticis nigricans, subtus oblitteratum; palpi breviores, graciles.

Coremia Pontissalaria, *Bruand, Ann. Soc. Ent. Fr. 2me Sér.* iv. 204, 3.

South France.

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COREMIA OBRUPTATA.

Mas. Cervina; palpi breves, lati, subdecumbentes; antennæ setulosæ; alæ lineis plurimis obscurioribus subundulatis ex parte

albido marginatis, linea submarginali albida angulosa, puncto discali lineaque marginali nigris, fimbria interlineata; anticæ vix acutæ, fascia media fusca subundulata.

Male. Fawn-colour, more cinereous beneath. Palpi broad, slightly decumbent, much shorter than the breadth of the head; third joint conical, minute. Antennæ setulose. Wings with many darker slightly undulating lines, some of which are slightly and incompletely whitish-bordered; submarginal line whitish, zigzag; discal point and marginal line black, the latter interrupted by the veins; fringe interlined. Fore wings hardly acute, with a brown middle slightly undulating band, which is rather broader in front; costa and exterior border straight, the latter rather oblique. Length of the body 4 lines; of the wings 12 lines.

a. Nova Scotia. From Lieut. Redman's collection.

COREMIA DIVISATA.

Mas. *Cinerea, subtus ochracea; palpi rufescentes, lanceolati, capitis latitudine non breviores; antennæ vix serratæ; tibiæ posticæ calcaribus breviusculis; alæ sat angustæ; anticæ sub-acutæ, linea basali dimidioque exteriori rufescentibus; posticæ pallide ochraceæ, lineis duabus indistinctis.*

Male. Cinereous, pale ochraceous beneath. Palpi reddish, lanceolate, as long as the breadth of the head; third joint elongate-conical, about one-third of the length of the second. Antennæ stout, hardly serrated. Abdomen not extending beyond the hind wings. Legs smooth, slender; spurs rather short. Wings rather narrow; under side reddish exteriorly. Fore wings slightly acute; a line near the base and more than the exterior half of the surface reddish; exterior border slightly convex, very oblique. Hind wings pale ochraceous, with two indistinct lines. Length of the body 3 lines; of the wings 9 lines.

a. St. Domingo. From Mr. Tweedie's collection.

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CAMPTOGRAMMA GEMMATA.

j, k. St. John's Bluff, East Florida. Presented by E. Doubleday, Esq.

CAMPTOGRAMMA CONSPECTARIA.

Cidaria conspectaria, Mann, *Wien. Ent. Monat.* iii. 104, pl. 1, f. 2, 3.

Sicily. Madeira ?

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CAMPTOGRAMMA MULTIFERATA.

Fœm. *Pallidissime cervina*; *palpi disjuncti*, *caput paullo superantes*, *articulo 3o minimo*; *alæ anticæ peracutæ*, *lineis plurimis obscurioribus subrectis*; *posticæ pallidiores magis cinerascetes*, *lineis apud marginem interiorem conspicuis*.

Female. Very pale fawn-colour, cinereous beneath. Palpi porrect, not contiguous, extending a little beyond the head; third joint extremely short. Abdomen not extending beyond the hind wings. Fore wings very acute, with numerous oblique nearly straight darker lines; costa slightly convex; exterior border almost straight, moderately oblique. Hind wings paler and more cinereous than the fore wings; lines much less distinct, except along the interior border. Length of the body 4 lines; of the wings 12 lines.

a, b. Trenton Falls, New York. Presented by E. Doubleday, Esq.

CAMPTOGRAMMA CORTICEATA.

Mas et fœm. *Fusca*; *palpi fimbriati*, *caput non superantes*, *articulo 3o brevissimo*; *antennæ maris robustæ*; *alæ anticæ acutæ*, *lineis plurimis obscurioribus denticulatis diffusis*; *posticæ lituris nullis*.

Male and female. Brown, a little paler beneath. Palpi porrect, fringed, not extending beyond the head; third joint extremely short. Antennæ of the male stout. Fore wings acute, with numerous darker denticulated somewhat diffuse lines; costa and exterior border straight, the later moderately oblique. Hind wings without markings, a little paler than the fore wings. Length of the body 4 lines; of the wings 12 lines.

a—e. Monte Video. Presented by C. Darwin, Esq.

CAMPTOGRAMMA PERDECORATA.

Fœm. *Testaceo-cinerea; palpi lati, breves, fimbriati; alæ nigro fimbriatæ; anticæ apice rotundatæ, e lineis plurimis fuscis trifasciatæ, litura discali nigra, subtus luteæ, fascia, gutta costali, plaga apicali punctisque marginalibus nigris; posticæ luteæ, fasciis tribus interruptis atomisque nigris.*

Female. Testaceous-cinereous. Body minutely speckled with black. Palpi porrect, broad, fringed, much shorter than the breadth of the head; third joint very minute. Wings with a black fringe. Fore wings somewhat rounded at the tips,⁶ with numerous transverse brown speckles, which are partly confluent and form three bands; third band very broad, extending to the exterior border; a black discal mark in the second band; under side bright luteous, with a black band, a black apical patch, a black costal dot between the band and the patch, and black marginal dots. Hind wings bright luteous, with three black bands and some black speckles; first band extending from the costa to the disk; second band submarginal, interrupted; third band marginal, macular; interior border thickly speckled with black. Length of the body 4 lines; of the wings 11 lines.

a. South Africa. Presented by Sir A. Smith.

CAMPTOGRAMMA ? BLITEARIA.

Fœm. *Subtestaceo-cinerea, nigro conspersa; alæ lineis tribus fuscis subundulatis plus minusve diffusis, 1a 2aque costam versus reflexis, linea submarginali nonnunquam valde interrupta et diffusa, puncto discali punctisque marginalibus nigris; anticæ falcatæ, valde acutæ, margine exteriori undulato.*

Female. Cinereous, with a testaceous tinge, minutely speckled with black. Wings with three slightly undulating more or less diffuse brownish lines; first and second lines reflexed towards the costa; submarginal line occasionally widely interrupted and diffuse; a black discal point in each wing; marginal points also black. Fore wings falcate, with very acute tips; exterior border undulating. Length of the body 4—4½ lines; of the wings 11—12 lines.

Ceylon. In Mr. Layard's collection.

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CAMPTOGRAMMA EXTRANEATA.

Fœm. *Ferruginea, subtus lutea; palpi rostriformes, capitis latitudine breviores; alæ subtus fascia marginali rufescente punctoque discali nigro; anticæ acutæ, lineis plurimis denticulatis nigricantibus, fascia lata diffusa cervina, puncto discali nigro; posticæ fascia latissima luteo lineas ferrugineas denticulatus includente.*

Female. Ferruginous, luteous beneath. Frontal tuft prominent, acute. Palpi rostriform, shorter than the breadth of the head. Wings beneath with an irregular reddish marginal band, and with a discal black point, which is much the largest in the fore wings. Fore wings acute, with many denticulated blackish lines; a broad diffuse fawn-coloured band, containing a black discal point and occupying nearly the whole of the costa. Hind wings with a very broad luteous band, which contains some ferruginous denticulated lines. Length of the body 5 lines; of the wings 14 lines.

a. Australia. From Mr. Damel's collection.

b, c. Tasmania. Presented by J. G. Children, Esq.

CAMPTOGRAMMA ANNULIFERATA.

Fœm. *Cervina; subtus lutea; palpi compressi, disjuncti, fimbriati, capitis latitudine breviores; alæ linea marginali nigra, fascia subtus marginali rufa; anticæ fascia latissima pallide subcervino-cinerea, lineis plurimis denticulatis nigricantibus ex parte albido marginatis, annulis tribus posticis nigricantibus, fimbria purpurascente; posticæ luteæ, fascia marginali fusca.*

Female. Fawn-colour, luteous beneath. Palpi porrect, compressed, fringed, apart, shorter than the breadth of the head. Wings with a black marginal line, which is on the base of the fringe of the fore wings; under side with a red marginal band. Fore wings with a very broad pale cinereous band, which is slightly tinged with fawn-colour; numerous denticulated blackish lines, some of which are whitish bordered; three blackish ringlets in a line hindward in the pale part; submarginal lunules brown; fringe purplish. Hind wings luteous, with a brown marginal band, and with some traces of lines along the interior border. Length of the body $3\frac{1}{2}$ lines; of the wings 11 lines.

a. Tasmania. Presented by R. Butler, Esq.

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CAMPTOGRAMMA? SIGNATARIA.

Fœm. *Rufescente-ferruginea; palpi breves, lati; alæ anticæ apice subrotundatæ, lineis nonnullis cinereis denticulatis indistinctis, macula discali albida; posticæ lineis valde indistinctis.*

Female. Reddish ferruginous, mostly cinereous beneath. Palpi short, broad. Abdomen and hind wings reddish cinereous. Fore wings slightly rounded at the tips, with several indistinct denticulated cinereous lines and with a whitish discal spot; costa and exterior border almost straight, the latter very oblique. Hind wings with the lines very indistinct. Length of the body $3\frac{1}{2}$ lines; of the wings 10 lines.

a. ——— ?

CAMPTOGRAMMA INFIRMATA.

Fœm. *Pallide ochracea; palpi compressi, fimbriati, breves; alæ punctis marginalibus fuscis elongatis, fimbria basi pallida; anticæ acutæ, lineis duabus exterioribus subflexis extus pallido marginatis, striga discali parva obscuriore; posticæ dimidio exteriore fuscescente.*

Female. Pale ochraceous. Palpi compressed, fringed, short; third joint very minute. Wings with elongated brown marginal points; fringe pale at the base. Fore wings acute; interior and exterior lines darker, slightly bent, pale bordered on the outer side; discal streak darker, small. Hind wings with rather more than the exterior half tinged with brown. Length of the body $3\frac{1}{2}$ lines; of the wings 9 lines.

a. ——— ?

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PHIBALAPTERYX EROSIATA.

Mas. *Albido-cinerea; abdomen basi nigrum; alæ elongatæ, fusco conspersæ, lineis duabus nigris perobliquis antice flexis, spatio marginali subfuscescente, punctis marginalibus nigris; anticæ fascia exteriore indistincta fuscescente, strigis duabus anticis nigris.*

Male. Whitish cinereous. Abdomen with a black basal band, corresponding to the interior line of the wings. Wings elongate, minutely brown-speckled; interior and exterior lines black, irregular,

very oblique, bent towards the costa of the fore wings; interior line extending across the base of the hind wings; a brownish tinge along the exterior border; marginal points black. Fore wings with an indistinct brownish band along the outer side of the exterior line; two black longitudinal streaks between the angle of the exterior line and the border. Length of the body 6 lines; of the wings 18 lines.

Canada. In Mr. Saunders' collection.

PHIBALAPTERYX FLORIDATA.

Mas. *Cervina, subtus albido-cinerea; palpi lati, caput perpaullo superantes, articulo 3o brevissimo; antennæ pubescentes; alæ elongatæ, nigricante conspersæ, lineis nonnullis nigricantibus subundulatis subdenticulatis ex parte dilatatis, fascia media extus cinereo marginata, gutta discali punctisque marginalibus nigris; anticæ acutæ; posticæ non dentatæ.*

Male. Fawn-colour, whitish cinereous beneath. Palpi broad, extending very little beyond the head; third joint very short. Antennæ rather stout, very minutely pubescent. Abdomen extending a little beyond the hind wings; apical tuft very small. Legs smooth; hind tibiæ with four long spurs. Wings elongate, with blackish speckles, and with several blackish slightly undulating and denticulated lines, some of which are dilated and form irregular and incomplete bands; middle band bordered on the outer side with pale cinereous; discal dot and marginal points black. Fore wings acute; costa straight; exterior border slightly convex, very oblique. Hind wings not dentate. Length of the body 6 lines; of the wings 16 lines.

a. East Florida. Presented by E. Doubleday, Esq.

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PHIBALAPTERYX CONGRUATA.

Fœm. *Subcervino-testacea; caput nigricans, albido fasciatum; palpi caput vix superantes, articulo 3o brevissimo; alæ elongatæ, fasciis nonnullis indistinctis subarcuatis cervinis aut fuscis, venis nigro punctatis, punctis marginalibus nigris; anticæ acutæ, costa nigro notata, margine exteriori subdentato.*

Female. Testaceous, with a slight tinge of fawn-colour. Head blackish, with a whitish band in front. Palpi porrect, hardly extending beyond the head; third joint extremely short. Legs smooth, slender. Wings elongate, with some indistinct oblique slightly curved fawn-coloured or dark brown bands, which are accompanied by black points on the veins; marginal points black. Fore wings acute; costa straight, with some blackish marks; exterior border slightly convex, very oblique. Hind wings with the exterior border slightly dentate. Length of the body 4 lines; of the wings 16 lines.

a. Venezuela. From Mr. Dyson's collection.

PHIBALAPTERYX EMARGINATA.

Mas. *Pallide lignicolor; caput et thorax anticus obscuriora; palpi contigui, breves, lati, subrostriformes; antennæ glabræ; abdomen basi nigro fasciatum; alæ elongatæ, lineis plurimis obscurioribus indistinctis subrectis, vitta guttaque discali nigris; anticæ acutæ; posticæ margine exteriori subdentato postice truncato.*

Male. Pale wood-colour. Head and fore part of the thorax darker. Palpi dark brown, contiguous, short, broad, subrostriform; third joint extremely short. Antennæ stout, smooth. Abdomen with a diverging apical tuft, not extending beyond the hind wings. Wings elongate, with numerous indistinct oblique nearly straight darker lines, and with a blackish stripe, which is continued from the disk of the fore wings across the base of the hind wings, and is continued across the abdomen; discal dot blackish. Fore wings acute; costa straight; exterior border convex, very oblique. Hind wings with the exterior border slightly dentate, truncated hindward. Length of the body $4\frac{1}{2}$ lines; of the wings 14 lines.

Cape. In Mr. Saunders' collection.

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PHIBALAPTERYX EUPITHECIATA.

Fœm. *Cinereo-fusca, sat robusta; palpi brevissimi; alæ elongatæ, sat angustæ; anticæ acutæ, ferrugineo subnebulosæ, lineis nonnullis denticulatis duabusque arcuatis plus determinatis nigris, linea submarginati cinerea angulosa; posticæ lineis paucioribus minus determinatis.*

Female. Cinereous-brown, rather stout, cinereous beneath. Frontal tuft prominent. Palpi very short. Wings elongate, rather narrow. Fore wings acute, partly shaded with ferruginous, with several slight black denticulated lines, and with two curved less oblique and more distinct lines; submarginal line cinereous, zigzag; costa straight; exterior border slightly convex, very oblique. Hind wings with fewer and less distinct lines, which are most apparent towards the interior border. Length of the body $3\frac{1}{2}$ lines; of the wings 12 lines.

a. Australia. From Mr. Lambert's collection.

PHIBALAPTERYX SUPPRESSARIA.

Fœm. *Nigricante-cinerea*; palpi breves, compressi, fimbriati, subrostriformes; alæ elongatæ, lunulis marginalibus nigris, margine exteriori subdentato; anticæ acutæ, lineis plurimis nigris indistinctis subdenticulatis, fascia basali indistincta strigaeque subapicali ferrugineis, fascia media diffusa pallide cinerea; posticæ lineis paucis indistinctis.

Female. Blackish cinereous, a little paler beneath. Palpi porrect, compressed, fringed, subrostriform, much shorter than the breadth of the head; third joint very short. Wings elongate, moderately broad; marginal festoon black; exterior border slightly notched. Fore wings acute, with many black oblique indistinct slightly denticulated lines; an indistinct ferruginous band near the base, an oblique ferruginous subapical streak, and a pale cinereous diffuse middle band; exterior border slightly convex, very oblique. Hind wings with a few indistinct lines. Length of the body 5 lines; of the wings 14 lines.

a, b. Auckland, New Zealand. From Mr. Oxley's collection.

PHIBALAPTERYX PARVULATA.

Fœm. *Fusco-cervina*; palpi compressi, capitis latitudine paullo longiores, articulo 3o conico; alæ elongatæ, angustæ, lineis nonnullis nigricantibus denticulatis, fasciis tribus dentatis pallide cinereis nonnunquam indistinctis, lineis duabus albidis denticulatis nonnunquam obsoletis, lunulis marginalibus nigris; anticæ subacutæ.

Female. Fawn-colour, more or less overspread with brown, cinereous beneath. Palpi porrect, compressed, conniving, a little longer than the breadth of the head; third joint conical, less than one-fourth of the length of the second. Wings elongate, narrow, with several denticulated oblique blackish lines, and with three pale cinereous occasionally indistinct dentate bands; two denticulated sometimes obsolete whitish lines; marginal lunules black. Hind wings slightly acute; costa straight; exterior border convex, very oblique. Length of the body $3\frac{1}{2}$ lines; of the wings 10 lines.

a, b. New Zealand. Presented by Col. Bolton.

c. New Zealand. Presented by the Rev. W. Colenso.

PHIBALAPTERYX INDOCTRINATA.

Fœm. *Pallide cinerea; caput antice fuscum; palpi obtusi, caput perpaullo superantes; thorax fusco fasciatus; alæ elongatæ, fusco subconspersæ, lineis plurimis fuscis subdenticulatis plus minusve indistinctis, puncto discali nigricante; anticæ vix acutæ.*

Female. Pale cinereous. Head brown in front. Palpi porrect, obtuse, extending very little beyond the head; third joint extremely short. Thorax with a brown band in front. Wings elongate, thinly speckled with dark brown, with numerous oblique slightly denticulated more or less indistinct dark brown lines; marginal line brown; discal point blackish. Fore wings hardly acute; costa straight; exterior border convex, very oblique. Length of the body 5 lines; of the wings 16 lines.

a. ——— ? From M. Becker's collection.

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SCOTOSIA INEXPLICATA.

Fœm. *Cinerea; palpi fimbriati, caput longe superantes, articulo 3o conico parvo; anticæ nigricante conspersæ, linea exteriori nigra denticulata vix undulata, linea media minus determinata, linea submarginali angulosa pallide cinerea, lunula discali lunulisque marginalibus nigris; anticæ acutæ, linea interiore nigricante indistincta; posticæ subdentatæ.*

Female. Cinereous, a little paler beneath. Palpi porrect, fringed, extending much beyond the head and nearly as long as its breadth; third joint conical, not more than one-fourth of the length

of the second. Wings with blackish speckles, which are here and there confluent in the fore wings; exterior line black, denticulated, hardly undulating; middle line less distinct; submarginal line pale cinereous, zigzag; lunules and discal lunule blackish. Fore wings acute; interior line blackish, indistinct; costa straight; exterior border slightly convex, very oblique. Hind wings with the exterior border slightly dentate. Length of the body 5 lines; of the wings 14 lines.

a. New York. Presented by E. Doubleday, Esq.

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SCOTOSIA DIFFUSATA.

Mas. *Subfuscente-cinerea; palpi fusci, breves, longi-conici; antennæ glabræ; tibiæ posticæ calcaribus longissimis; alæ amplæ, elongatæ, puncto discali nigricante, linea submarginali albida angulosa, margine exteriori subdentato; anticæ acutæ, e lineis nigris subdenticulatis trifasciatæ; posticæ lineis nonnullis fuscis,*

Male. Cinereous, with a slight brownish tinge. Palpi brown, porrect, short, elongate-conical; third joint conical, very minute. Antennæ slender, smooth. Abdomen extending very little beyond the hind wings, with two small brown marks on each segment. Legs smooth, rather slender; hind tibiæ with four very long spurs. Wings ample, elongate; exterior border slightly dentate; submarginal line whitish, zigzag; discal point blackish. Fore wings acute, with three bands, each composed of several slightly denticulated black lines; costa straight; exterior border very slightly convex, rather oblique. Hind wings with some slight brown lines, which are most apparent along the interior border. Length of the body 7 lines; of the wings 20 lines.

a. Venezuela. From Mr. Dyson's collection.

SCOTOSIA SPILOTATA.

Fœm. *Cinereo-fusca, robusta; palpi frontem non superantes; pedes validi, calcaribus longissimis; alæ elongatæ, subnebulosæ, nigro conspersæ, lineis duabus nigris denticulatis subundulatis, lineis nonnullis interioribus indistinctis, punctis marginalibus nigris, margine exteriori dentato; anticæ vix acutæ.*

Female. Cinereous-brown, stout. Palpi not extending beyond the front. Legs stout; spurs very long. Wings elongate, slightly clouded, minutely black-speckled; interior and exterior lines black, denticulated, irregular, slightly undulating; interior line partly dilated; some indistinct lines between the interior line and the base; marginal points black; exterior border convex, very slightly dentate; under side without any distinct markings. Fore wings hardly acute, with a slight pale reddish tinge at the base; exterior border very slightly oblique. Length of the body 5 lines; of the wings 14 lines. Brazil. In Mr. Saunders' collection.

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SCOTOSIA LUCIDISCATA.

Fœm. *Ochracea, subtus albido-cinerea; palpi oblique ascendentes, fimbriati, verticem non superantes; alæ latiusculæ, nigro conspersæ, macula discali punctisque marginalibus nigris; antica acutæ, lineis duabus nigris flexis remotis spatium album includentibus, linea submarginali nigricante dentata, margine exteriore vix dentato; posticæ vix lineatæ; margine exteriore dentato.*

Female. Ochraceous, mostly whitish cinereous beneath. Palpi obliquely ascending, fringed, not rising higher than the vertex; third joint extremely short. Wings rather broad, transversely black-speckled; discal spot and marginal points black; under side with a broad brown submarginal band. Fore wings acute; interior and exterior lines black, much bent, widely separated from each other, including a white space between them; a small white space between the interior line and the base; submarginal line blackish, dentate, incomplete; costa almost straight; exterior border slightly convex and festooned. Hind wings with some traces of the interior, exterior and submarginal lines; exterior border notched. Length of the body 6 lines; of the wings 18 lines.

a. South Africa. Presented by Sir A. Smith.

SCOTOSIA METARHODATA.

Mas et fœm. *Testacea; palpi breves; antennæ maris pectinatæ, apice simplices; segmentum abdominale 3um maris fasciculatum; alæ nigro conspersæ, fimbria nigro guttata; antica subauratæ, basi nigræ, lineis interiore et exteriore nigris remotis e striga postica connexis, 2a angulata valde flexa, litura discali*

maxima liturisque submarginalibus lanceolatis nigris ; posticæ roseo tinctæ, gutta discali, linea exterior subundulata subdenticulata fasciæque submarginali diffusa incompleta nigricantibus.

Male and female. Testaceous. Palpi much shorter than the breadth of the head. Antennæ of the male moderately pectinated, except towards the tips. Thorax with a black spot on each side in front. Abdomen of the male with a tuft on the third segment, and with a rather large apical tuft. Wings black-speckled; marginal lunules black; fringe with black dots. Fore wings acute, slightly gilded, black at the base; interior and exterior lines black, wide apart; exterior line acutely angular and much bent, connected with the interior line by a longitudinal black streak near the interior border; discal mark transverse, black, very large, extending to the costa; submarginal line formed of black cuneiform marks, some of which extend to the exterior border, which is slightly convex, and rather oblique. Hind wings with a rosy tinge, except along the interior border; markings blackish, consisting of a discal dot, a slightly undulating and denticulated exterior line, and a diffuse incomplete submarginal band. Length of the body $5\frac{1}{2}$ lines; of the wings 14—15 lines.

a, b. Australia. From Mr. Milne's collection.

c. New South Wales. From Mr. Wood's collection.

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CIDARIA COLLINARIA.

Alæ anticæ cinereæ, areola basali fasciæque media dilute cervinis, hac postice obtuse unidentata in costa ampliata, striola costæ ante apicem fusca, ciliis unicoloribus maris biseriato-pectinatis.

Cidaria collinaria, Metzner, *Ent. Zeit. Stett.* vii. 238.

Austria.

CIDARIA APTARIA.

Cidaria aptaria, Metzner, *Ent. Zeit. Stett.* vii. 240, 1.

CIDARIA CONJUNCTARIA.

Cidaria polygrammata, Zell. *Isis*, 1847, 501.

Cidaria conjunctaria, Led. *Geom.* 21.

Austria.

CIDARIA FLEXUOSARIA.

Fusco-cinerea; prothorax cinereus; alæ anticæ fasciis duabus dentatis sat latis, una ante medium obsoleta, altera pone medium evidentiore lineaque tenui undulata antice apicem albidis, fimbria cinerea; posticæ cinereæ, fasciis duabus transversis tenuibus dilute obscurioribus.

Cidaria flexuosaria, Boheman, *Kongl. Vet. Akad. Handl.* 1853, 135. Sweden.

CIDARIA ALHAMBRATA.

Fœm. Fuscescens; alæ anticæ fascia late pone basim strigaeque undulata postica saturate fuscis, puncto medio striolaque obliqua apicis nigris; posticæ rufo-cinereæ, striga postica obscuriore.

Cidaria Alhambrata, Staud. *Stett. Ent. Zeit.* 1859, 219. Andalusia.

CIDARIA INSULARIATA.

Fœm. Sordide ochraceo-testacea; alæ anticæ fascia basali fasciaque discali lata æquali extus obtuse bidentata fuscis; posticæ fuscescentes.

Cidaria insulariata, Wallingrén, *Wien. Ent. Monat.* iv. 176. Madeira.

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CIDARIA PHOCATA.

Cidaria phocata, Möschler, *Wien. Ent. Monat.* vi. 137, pl. 1, f. 8. Labrador.

CIDARIA DESTINATA.

Cidaria destinata, Möschler, *Wien. Ent. Monat.* iv. 375, pl. 10, f. 2. Labrador.

CIDARIA CUNIGERATA.

Fœm. Pallide cinerea; palpi breves, acuti, subdecumbentes, late fimbriati; alæ apud marginem exteriorem obscuriores, linea submarginali alba angulosa, linea marginali tenui nigricante, fimbria nigro notata; anticæ acutæ, fuscescentes, lineis duabus

basalibus nigris undulatis, fascia media fusca nigro marginata, fascia exterior diffusa nigricante; posticæ lineis duabus fuscis angulosis.

Female. Pale cinereous, whitish beneath. Palpi short, acute, slightly decumbent, broadly fringed. Wings darker cinereous towards the exterior border; submarginal line white, zigzag; marginal line slender, blackish; fringe with black marks; under side with a black discal dot, a black exterior dentate line, and a row of black angular marks, which are contiguous to the submarginal line. Fore wings acute, brownish, and with two black undulating lines towards the base; a brown black-bordered middle band, which is more or less indented and is occasionally interrupted; a diffuse blackish streak along the fore part; fringe with brown marks. Hind wings with two zigzag brown lines, which correspond to the borders of the band of the fore wings. Length of the body $6\frac{1}{2}$ —7 lines; of the wings 17—18 lines.

a. Nova Scotia. From Lieut. Redman's collection.

b. ———?

CIDARIA INCLINATARIA.

Mas. *Fuscescente-cinerea; palpi pilosi, breves, articulo 3o conico minimo; antennæ pectinatæ; alæ puncto discali punctisque marginalibus nigris; anticæ apice subrotundatæ, apud costam fuscescentes, lineis plurimis albidis, spatio medio non lineato; posticæ lineis valde indistinctis.*

Male. Brownish cinereous. Palpi porrect, pilose, much shorter than the breadth of the head; third joint conical, very minute. Antennæ moderately pectinated, except towards the tips. Abdomen not extending beyond the hind wings. Wings with black marginal points and a black discal point. Fore wings slightly rounded at the tips, brownish along the costa, with several whitish lines towards the base and towards the exterior border; middle space without lines; exterior border very slightly convex, very oblique. Hind wings with very indistinct lines. Length of the body 4 lines; of the wings 12 lines.

a. Nova Scotia. From Lieut. Redman's collection.

CIDARIA RIGIDATA.

Mas. *Cinerea; palpi breves; antennæ læves, sat graciles; alæ elongatæ; anticæ acutæ, fusco suffusæ, nigro trilineatæ, linea*

1a subangulosa, 2a undulata intus duplicata, 3a undulata dentata, linea submarginali angulosa pallide cinerea, striga subapicali nigra; posticæ pallidiores, linea exteriore undulata fuscescente.

Male. Cinereous. Palpi short, porrect. Antennæ smooth, rather slender. Abdomen not extending beyond the hind wings; apical tuft very small. Legs smooth, slender; hind tibiæ with four long spurs. Wings elongate. Fore wings acute, mostly tinged with brown, with three black lines; first line near the base, slightly zigzag; second line interior, undulating, diffuse on the inner side, where it is accompanied by a slight brown line; third line undulating, dentate, with a black streak between it and the tip of the wing; submarginal line pale cinereous, zigzag; exterior border slightly convex, very oblique. Hind wings paler, with a slight brownish undulating exterior line. Length of the body 5 lines; of the wings 16 lines.

a. Nova Scotia. From Lieut. Redman's collection.

CIDARIA EXPLAGIATA.

Fœm. *Fuscescente-cinerea; palpi obtusi, breves, articulo 3o minimo; alæ anticæ subacutæ, nigro conspersæ, lineis tribus nigris, spatio basali spatioque medio fuscescentibus, punctis exterioribus nigris, linea submarginali albida angulosa, striga discali nigricante; posticæ litura discali lineaque exteriore angulosa fuscescentibus.*

Female. Brownish cinereous. Palpi porrect, obtuse, much shorter than the breadth of the head; third joint extremely minute. Fore wings slightly acute, thinly speckled with black; basal, interior and exterior lines black; basal space and the space between the interior and exterior lines brownish; a row of elongated black points beyond the exterior line; submarginal line whitish, zigzag; discal streak blackish; exterior border slightly convex, very oblique. Hind wings a little darker about the exterior border; discal mark and exterior zigzag line brownish. Length of the body 4 lines; of the wings 12 lines.

a. Nova Scotia. From Lieut. Redman's collection.

CIDARIA ALBIFUSATA.

Mas. *Cinerea; corpus fusco conspersum; palpi breves, oblique ascendentes, articulo 3o conico minimo; antennæ pubescentes;*

alæ anticæ acutæ, fusco variæ, nigricante conspersæ, linea submarginali alba dentata informi, gutta discali nigricante; posticæ fuscescente-cinereæ.

Male. Cinereous. Body thickly speckled with brown. Palpi obliquely ascending, not rising so high as the vertex; third joint conical, very minute. Antennæ pubescent. Abdomen not extending beyond the hind wings. Fore wings acute, partly brown, with blackish speckles, which are here and there almost confluent; submarginal line white, dentate, irregular; discal dot blackish; exterior border very slightly convex, rather oblique. Hind wings brownish cinereous, except along the interior border, where they resemble the fore wings in hue. Length of the body 6 lines; of the wings 16 lines.

a. Trenton Falls, New York. Presented by E. Doubleday, Esq.

CIDARIA ? FRIGIDATA.

Mas. Cinerea; palpi fimbriati, subdecumbentes, capitis latitudine breviores, articulo 3o conico; antennæ validæ, læves; tibiæ posticæ calcaribus parvis; anticæ acutæ, fascia lata spatioque medio fuscis, litura basali lineisque tribus strigisque duabus subapicalibus nigris, lineis 1a 2aque subrectis, 3a undulata dentata, fascia submarginali arcuata strigisque marginalibus fuscis; posticæ pallidiores, lituris nullis.

Male. Cinereous. Palpi fringed, slightly decumbent, shorter than the breadth of the head; third joint conical, not more than one-fourth of the length of the second. Antennæ stout, smooth. Abdomen somewhat tumid at the tip; apical tuft short. Legs smooth; hind tibiæ with four short spurs. Fore wings acute, brown towards the exterior border, and with a broad brown band before the middle; a black basal mark, three black lines and two black subapical streaks; first and second lines bordering the brown band, nearly straight and upright; third line undulating, dentate; a submarginal curved brown band and brown marginal streaks; costa and exterior border very slightly convex, the latter very oblique. Hind wings pale cinereous, without markings. Length of the body 5 lines; of the wings 16 lines.

a. Nova Scotia. From Lieut. Redman's collection.

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CIDARIA IMPERSONATA.

Mas. *Cinereo-viridis*; palpi graciles, caput non superantes, articulo 3o minimo; antennæ læves; thoracis tegulæ longæ; alæ anticæ elongatæ, acutæ, basi testaceæ, lineis plurimis nigricantibus subelongatis subdenticulatis, una extus albido marginata; posticæ cinereæ.

Male. Cinereous-green, pale cinereous beneath. Palpi porrect, slender, not extending beyond the head; third joint extremely minute, less than one-sixth of the length of the second. Antennæ smooth. Thorax with long tegulæ. Abdomen not extending beyond the hind wings; apical tuft small. Wings beneath with a brown discal point, a brown exterior slightly undulating line, and a brown submarginal band. Fore wings elongate, acute, testaceous towards the base, with many slightly elongated and denticulated blackish lines, of which two are more conspicuous than the others, and the exterior one is bordered on the outer side by a whitish line; costa straight; exterior border slightly convex, very oblique. Hind wings cinereous. Length of the body 7 lines; of the wings 19 lines.

a. Bogota. From Mr. Stevens' collection.

CIDARIA ? EFFRENATA.

Mas. *Viridescens*; palpi compressi, lanceolati, capitis latitudine longiores, articulo 2o fimbriato, 3o parvo; antennæ validæ, læves; alæ elongatæ, sat angustæ; anticæ apice subrotundatæ, fasciis tribus fusciscentibus valde excavatis; posticæ cinereæ, puncto discali subtus nigro.

Male. Greenish, mostly cinereous beneath. Palpi compressed, lanceolate, porrect, much longer than the breadth of the head; second joint fringed; third acute, not one-fourth of the length of the second. Antennæ stout, smooth. Abdomen cinereous, extending a little beyond the hind wings. Wings elongate, rather narrow. Fore wings slightly rounded at the tips, with three oblique much excavated brownish bands; exterior border slightly convex, very oblique. Hind wings cinereous, with a black discal point on the under side. Length of the body $4\frac{1}{2}$ lines; of the wings 10 lines.

Brazil. In Mr. Saunders' collection.

CIDARIA OPPRESTATA.

Mas. *Cinerea* ; palpi *graciles, brevissimi* ; antennæ *robustæ, læves* ; alæ *anticæ elongatæ, fusco conspersæ, lineis nonnullis denticulatis nigricantibus, fasciis tribus fuscis, 3a submarginali informi interrupta lineam submarginalem albidam angulosam includente, fascia exteriori albida, linea marginali obscure fusca interrupta, costa subconvexa, margine exteriori convexo.*

Male. *Cinereous.* Palpi slender, hardly extending beyond the head ; third joint very minute. Antennæ stout, smooth. Thorax varied with brown. Fore wings elongate, speckled with brown, with some blackish denticulated lines ; three bands formed by the speckles being nearly confluent ; first and second bands interior ; third submarginal, irregular, interrupted, including the whitish zigzag submarginal line ; a whitish band along the outer side of the second brown band ; marginal line dark brown, interrupted by whitish points ; costa and exterior border slightly convex, the latter very oblique. Length of the body 6 lines ; of the wings 16 lines.

Port Famine. Presented by C. Darwin, Esq.

CIDARIA STURNULARIA.

Cervino-cinerea ; alæ *strigis transversis plurimis obscurioribus, puncto discali nigro* ; anticæ *acutæ, lineis interiore et exteriori albidis costam versus abrupte angulatis, punctis marginalibus nigricantibus albido notatis* ; posticæ *lineis duabus albidis.*

Cidaria sturnularia, Herr.-Sch. *Exot. Schm.* pl. 57, f. 316.

Brazil.

CIDARIA ? FABIANA.

Viridescence-cinerea ; abdomen *alas posticas longe superans* ; alæ *anticæ conspersæ, macula basali flavesciente fusco marginata, lineis duabus (1a integra, 2a informi interrupta) albis, plaga costali subapicali nigra albo marginata* ; posticæ *cinereæ, linea media arcuata obscuriore.*

Phalæna-Geometra Fabiana, Cram. *Pap. Exot.* iv. 227, pl. 397, f. H.

Surinam.

CIDARIA ?? CHOREBUS.

Fusca ; alæ anticæ latæ, subfalcatæ, purpurascente subtinctæ, fascia interiore arcuata, basi linea submarginali strigisque tribus submarginalibus pallidis.

Phalæna Chorebus, *Cram. Pap. Exot.* ii. 25, pl. 113, f. D.
Surinam.

CIDARIA POSEATA.

a. Cape Town. From Mr. Trimen's collection.

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CIDARIA SCOTOSIATA.

Fœm. Cinerea ; caput et thorax subcervina ; palpi breves, lati, pilosi ; alæ nitentes, linea marginali nigricante, fimbria basi cervina ; anticæ vix acutæ, basi cervinæ, lineis plurimis nigricantibus denticulatis indistinctis, fascia lata dentata nigricante-cinerea pallido marginata guttam discalem nigricantem includente, spatio marginali cervino nebulus nigricante-cinereas lineamque submarginalem angulosam pallide cineream includente.

Female. Cinereous. Head and thorax tinged with fawn-colour. Palpi short, broad, pilose. Wings shining, with a long full fringe, which is fawn-coloured at the base ; marginal festoon blackish. Fore wings hardly acute, with many blackish indistinct denticulated lines ; base fawn-colour ; a broad blackish cinereous dentate pale-bordered middle band, including a blackish discal dot ; marginal space fawn-colour, irregularly clouded with blackish cinereous, including the pale cinereous zigzag submarginal line. Hind wings without markings. Length of the body 5 lines ; of the wings 12 lines.

a. Cape Town. From Mr. Trimen's collection.

CIDARIA UMBRIFERATA.

Fœm. Cinereo-subochracea ; palpi brevissimi ; thorax nigro fasciatus ; alæ punctis marginalibus nigris ; anticæ acutæ, fasciis duabus undulatis nigricante nebulosis nigro interlineatis et marginatis, lineis nonnullis cervinis dentatis, linea basali nigra

undulata, spatio marginali nebulis nigris, linea submarginali cinerea angulosa; posticæ cinereæ, lineis denticulatis valde indistinctis.

Female. Dull cinereous-ochraceous, pale cinereous beneath. Palpi porrect, very short. Thorax with a black band. Wings with black marginal points. Fore wings acute, with two blackish-shaded undulating bands, which are interlined and bordered with black; several fawn-coloured dentate lines; a black undulating line near the base; marginal space partly clouded with black, intersected by an incomplete zigzag cinereous submarginal line; costa straight; exterior border slightly convex, very oblique. Hind wings cinereous, with very indistinct denticulated lines. Length of the body 5 lines; of the wings 14 lines.

a. Cape Town. From Mr. Trimen's collection.

CIDARIA EUBOLIATA.

Mas. *Pallide cinerea; caput et thorax fuscescentia; palpi breves, lati, articulo 3o minimo; antennæ subpectinatae; alæ elongatæ, linea marginali nigra; fimbria nigro punctata fusco interlineata, lineâ submarginali albida denticulata; anticæ acutæ, fasciis tribus fuscis lineas nigras denticulatas includentibus, 1a perangusta, 3a extus dilatata et albido marginata, lineis duabus ferrugineis adhuc exterioribus, puncto discali nigro elongato; posticæ lineis quinque nigricantibus subundulatis.*

Male. Pale cinereous, darker beneath. Head and thorax brownish. Palpi broad, short, porrect; third joint very minute. Antennæ slightly pectinated. Abdomen not extending beyond the hind wings. Wings elongate, with a black marginal festoon; fringe interlined with brown, marked with black points; submarginal line whitish, denticulated. Fore wings acute, with three brown bands, which contain black denticulated lines; first band very narrow; third protuberant on the outer side, where it is bounded by a whitish line, beyond which there are two irregular ferruginous lines; discal point black, elongated; exterior border very oblique. Hind wings with five slightly undulating blackish lines, of which the fourth is more distinct than the others. Length of the body 5 lines; of the wings 14 lines.

a, b. South Africa. Presented by R. Trimen, Esq.

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CIDARIA METAXANTHATA.

Mas et fœm. *Nigricante-cinerea, subtus flavescente-cinerea; palpi pilosi, capitis latitudine breviores; antennæ maris pectinatæ; alæ linea marginali nigra; anticæ vix acutæ, nigro subconspersæ, fascia lata obscuriore nigro marginata lunulam nigram includente, linea submarginali nigricante diffusa vix denticulata; posticæ luteæ, margine lato nigricante.*

Male and female. Blackish cinereous, yellowish cinereous beneath. Palpi porrect, pilose, shorter than the breadth of the head. Antennæ of the male moderately pectinated, except towards the tips. Wings with a black marginal line. Fore wings hardly acute, slightly black-speckled, with a broad middle band that is rather darker than the ground hue, and is bounded by two undulating black lines, and includes a black discal lunule; submarginal line blackish, diffuse, hardly denticulated; exterior border slightly convex, moderately oblique. Hind wings luteous, with a broad blackish border. Length of the body $4\frac{1}{2}$ lines; of the wings 12 lines.

- a. Tasmania. From the Entomological Society's collection.
- b. Tasmania. Presented by Dr. Milligan.
- c. Tasmania. Presented by M. Allport, Esq.

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CIDARIA DISSOCIATA.

Fœm. *Obscure cinerea; palpi pilosi, capitis latitudine non breviores, articulo 3o conico; alæ nigricante conspersæ, lunulis marginalibus nigris; anticæ acutæ, lineis nonnullis denticulatis indistinctis, linea submarginali alba angulosa, venis albo notatis; posticæ lineis minus determinatis.*

Female. Dark cinereous, hardly paler beneath. Palpi porrect, pilose, as long as the breadth of the head; third joint conical, hardly one-fourth of the length of the second. Wings blackish-speckled; marginal lunules black. Fore wings acute, with several blackish denticulated indistinct mostly diffuse lines; some white marks on the veins; submarginal line white, zigzag, incomplete; costa straight; exterior border slightly convex, very oblique. Hind wings extending beyond the abdomen; lines more slender and indistinct than those of the fore wings. Length of the body 4 lines; of the wings 12 lines.

- a. New Zealand. Presented by Dr. Sinclair.

CIDARIA SIMILISATA.

Mas. *Obscure cinerea; palpi fimbriati, latiusculi, capitis latitudine paullo breviores, articulo 3o conico; antennæ pectinatæ; abdomen fasciis pallide cinereis; alæ anticæ vix acutæ, lineis nonnullis nigricantibus indistinctis albido punctatis, linea submarginali angulosa pallide cinerea, margine exteriori perobliquo.*

Male. Dark cinereous, a little paler beneath. Palpi porrect, fringed, rather broad, a little shorter than the breadth of the head; third joint conical, minute. Antennæ rather broadly but not densely pectinated. Abdomen with pale cinereous bands. Fore wings hardly acute, with several blackish indistinct denticulated lines, which are marked with irregular whitish points on the veins; submarginal line pale cinereous, zigzag, apparent also on the hind wings; exterior border very oblique. Length of the body 4 lines; of the wings 12 lines.

a. New Zealand. Presented by Col. Bolton.

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CIDARIA PRNOTATA.

Mas. *Cinerea; palpi breves, lati, rostriformes; antennæ vix serratæ; alæ punctis marginalibus nigricantibus elongatis; anticæ nigricantes, fasciis duabus cervinis dentatis albido marginatis, litura antica albida, guttis submarginalibus albidis diffusis excavatis; posticæ albido-cinereæ.*

Male. Cinereous. Palpi broad, rostriform, hardly longer than half the breadth of the head; third joint very minute. Antennæ very minutely serrated. Wings with elongated blackish marginal points. Fore wings acute, blackish, with two jagged deep fawn-coloured whitish-bordered bands; outer line of the second band forming the submarginal line, beyond which there is a row of excavated diffuse whitish dots; inner border of the second band dilated towards the costa; exterior border almost straight, rather oblique. Hind wings whitish cinereous. Length of the body $5\frac{1}{2}$ lines; of the wings 15 lines.

a, b. ———?

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EUBOLIA ? PROXIMARIA.

Alæ anticæ albido-cinereæ, puncto lineis vittaque media undulata exterius longe producta transversis, nigris.

Eubolia proximaria, *Ramb. Ann. Soc. Ent. Fr.* ii. 40, pl. 2, f. 7.
Corsica.

EUBOLIA ? SCITULARIA.

Alæ anticæ fusco rufoque variæ, lineis quatuor transversis albis, externa dentata.

Eubolia scitularia, *Ramb. Ann. Soc. Ent. Fr.* ii. 42, pl. 2, f. 8.
Corsica.

EUBOLIA ? MUSAUARIA.

Eubolia Musauaria, *Frey. Neue Beit.* pl. 664, f. 3.
Europe.

EUBOLIA OBLITERARIA.

Eubolia obliteraria, *De Selys, Enum. Ins. Lép. Belg.* 27, 1.
Sp.

EUBOLIA BISTRIGATA.

Mas. Pallide fusca; thorax cinereus; alæ anticæ cinereæ puncto discali nigricante fasciisque duabus postice approximatis cervicalis.

Ptichodis bistrigata (*Geometra æquivoca*, *Petrophora lineata*), *Hubn. Samml. Exot. Schmett.* i. 21, 56, f. 111, 112.
New Georgia.

EUBOLIA MERIDIONALIS.

Cinerascente-ferruginea; alæ anticæ macula discali strigaeque apicali e puncto discali oriente purpureis; posticæ cinerascetes.

Eubolia meridionalis, *Wallengrén, Wien. Ent. Monat.* iv. 176.
Patagonia.

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EUBOLIA VICARIA.

Mas. *Fuscescente-cinerea*; palpi angulati, compressi, latiusculi, disjuncti, articulo 3o elongato acuto; antennæ pectinatæ; alæ anticæ acutæ, lineis nonnullis obscurioribus subrectis indistinctis, fasciis duabus ferrugineis; posticæ lineis duabus obscurioribus undulatis indistinctis.

Male. Brownish cinereous, more cinereous beneath. Palpi porrect, compressed, rather broad, widely apart from each other; third joint elongate, acute, very much shorter than the second, with which it forms an angle. Antennæ moderately pectinated. Abdomen hardly extending beyond the hind wings. Legs smooth, slender; hind tibiæ with four long spurs. Fore wings acute, with some indistinct oblique nearly straight darker lines, and with two ferruginous bands, of which the second is broader than the first. Hind wings with two indistinct undulating slightly darker lines. Length of the body 6 lines; of the wings 18 lines.

Rio Janeiro. In Mr. Fry's collection.

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EUBOLIA ATROCLARATA.

Fœm. *Cinerea*; caput subcervinum; palpi fusci, breves, articulo 3o minimo; alæ anticæ acutæ, lineis nonnullis uigricantibus subundulatis subdentatis, duabus fusco nebulosis, macula discali magna nigra; posticæ lituris nullis.

Female. Cinereous. Head and fore part of thorax slightly tinged with pale fawn-colour. Palpi broad, short, porrect; third joint extremely minute. Fore wings acute, with several transverse blackish lines, which are mostly slightly undulating and dentate; two of them are diffusedly shaded with brown, and form incomplete bands; discal spot large, black. Hind wings without markings. Length of the body 5 lines; of the wings 14 lines.

a. South Africa. Presented by Sir A. Smith.

EUBOLIA CRYPTOSPILATA:

Fœm. *Schistaceo-cinerea*; palpi breves, lati, articulo 3o minimo; antennæ vix setulosæ; alæ anticæ acutæ, fasciis quatuor subcervinis e lineis plus minusve undulatis, spatio marginali subobscuriore, puncto discali nigro; posticæ fuscescente-cinereæ, lineis duabus cinereis subundulatis valde indistinctis.

Female. Slaty cinereous. Frontal tuft prominent. Palpi porrect, short, broad; third joint very minute. Antennæ hardly setulose. Spurs long. Fore wings acute, with several more or less undulating lines, which form four bands, these are slightly tinged with fawn-colour; marginal space a little darker than the ground hue; discal point black; costa straight; exterior border slightly convex, very oblique. Hind wings pale brownish cinereous; exterior and submarginal lines cinereous, slightly undulating, very indistinct. Length of the body $5\frac{1}{2}$ lines; of the wings 16 lines.

a. South Africa. From Mr. Trimen's collection.

EUBOLIA FERRIDOTATA.

Fœm. *Ferrugineo-cinerea*; palpi fimbriati, brevissimi; alæ linea marginali nigra, fimbria interlineata; anticæ acutæ, fasciis tribus ferrugineis nigro et cinereo marginatis, linea punctoque discali nigris, linea submarginali subrecta pallide cinerea, striga apicali obliqua nigra; posticæ fuscescente-cinereæ, lineis duabus pallide cinereis.

Female. Ferruginous-cinereous. Palpi fringed, very short; third joint extremely minute. Wings with a black marginal festoon, which is very slight in the hind wings; fringe interlined. Fore wings acute, with three oblique ferruginous black-bordered bands, which are also bordered with pale cinereous; a black line between the first and second bands, and a black discal point beyond the second band; third band undulating on the outer side; submarginal line pale cinereous, almost straight, intersected by a black apical oblique streak. Hind wings brownish cinereous, with two pale cinereous lines; exterior line undulating; submarginal line denticulated. Length of the body 4 lines; of the wings 12 lines.

a. Cape Town. From Mr. Trimen's collection.

EUBOLIA ATROSIGILLATA.

Fœm. *Pallide cinerea; palpi subflexi, subascendentes, capitis latitudine breviores, articulo 3o minimo; alæ subelongatæ; anticæ acutæ, lineis duabus nigricantibus interioribus subrectis subparallelis, lineis duabus exterioribus fuscis subundulatis, lineis media et submarginali indistinctis, macula discali atra; posticæ lituris nullis.*

Female. Pale cinereous. Frontal tuft prominent. Palpi slightly bent and ascending, shorter than the breadth of the head; third joint very small. Legs slender. Wings slightly elongated. Fore wings acute, with two interior oblique blackish nearly straight and parallel lines, and with two exterior brown slightly undulating lines; middle line and submarginal line indistinct; discal spot deep black; costa straight; exterior border slightly convex, very oblique. Hind wings without markings, extending a little beyond the hind wings. Length of the body 4 lines; of the wings 13 lines.

a. Namaqua Region. From M. Becker's collection.

EUBOLIA? HEDICARIA.

Alæ anticæ flavæ, albo nigroque fasciatæ; posticæ subcinereæ, margine luteo, puncto nigro, fasciis punctisque obsoleto-fuscis; corpus lutescens; antennæ fusco pectinatæ.

Eubolia hedicaria, Guér. Voy. Delessert, Hist. Nat. 97, pl. 26, f. 4.
Neilgherry Mountains.

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ANAITIS FRAUDULENTA.

Anaitis fraudulenta, Herr.-Sch. Neue Schm. 26, f. 129, 130.
Europe.

ANAITIS FRATERNATA.

Anaitis fraternata, Herr.-Sch. Neue Schm. 131, 27.
Europe.

ANAITIS? MOLLICULARIA.

Anaitis mollicularia, Eversm. Bull. Soc. Imp. Nat. Mosc. 1848, 229.
South Russia.

ANAITIS ORILLATA.

Mas. *Albido-cinerea*; palpi breves, subflexi, subdecumbentes, caput vix superantes; antennæ subsetulosæ; alæ fusco conspersæ, lunulis marginalibus nigricantibus; anticæ acutæ, fasciis tribus angustis fusco-nigris, 1a recta, 2a 3aque subflexis; posticæ puncto discali fusco, strigis duabus posticis fuscis obscurioribus.

Male. Whitish cinereous, more dingy beneath. Palpi short, slightly bent and decumbent, hardly extending beyond the head; third joint conical, minute. Antennæ minutely setulose. Abdomen not extending beyond the hind wings. Wings transversely brown-speckled; marginal lunules blackish. Fore wings acute, with three narrow black partly brown oblique bands; first band straight; second and third very slightly bent; costa and exterior border straight, the latter rather oblique. Hind wings with a brown discal point and with two darker brown streaks, which extend from the disk to the interior border. Length of the body 6 lines; of the wings 14 lines.

a. Orilla, West Canada. From Mr. Bush's collection.

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ANAITIS TRAJECTATA.

Mas. *Fuscescente-cinerea*; palpi breves, lati, articulo 3o brevissimo; antennæ subpubescentes, vix moniliformes; alæ anticæ elongatæ, acutæ, fascia lata angulosa nigro-fusca cinereo marginata fasciam cineream includente, fascia interiore lineaque exteriori angulata nigro-fuscis, lituris duabus exterioribus diffusis subochraceis, linea submarginali cinerea subrecta, linea marginali nigricante, striga apicali nigro-fusca, puncto discali nigro.

Male. Brownish cinereous. Frontal tuft prominent. Palpi broad, short, porrect; third joint extremely short. Antennæ very minutely pubescent, hardly moniliform. Fore wings elongated, acute, with a broad blackish brown cinereous-bordered deeply zigzag band, which is intersected by a broad straight oblique cinereous band, the latter including a black discal point; a slight blackish brown interior band and a blackish brown angular exterior line, the latter accompanied by two diffuse slightly ochraceous marks; submarginal line cinereous, nearly straight, interrupted by the blackish brown oblique apical streak; marginal line blackish, interrupted by

the ochraceous-tinged veins; costa and exterior border straight. Hind wings without markings. Length of the body 4 lines; of the wings 12 lines.

a. South Africa. From Mr. Trimen's collection.

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ANAITIS? CURVILINEATA.

Cervina; fasciculus frontalis productus, acutus; tibiæ posticæ robustæ, calcaribus quatuor longissimis; alæ spissæ, elongatæ, linea marginali testacea, fimbria interlineata; anticæ acutæ, nigro subconspersæ, purpurascente subinctæ, linea fusca extus testaceo marginata postice subarcuata, lineis tribus exterioribus subarcuatis, puncto discali nigro.

Fawn-colour. Body and under side mostly pale cinereous. Frontal tuft porrect, very long and acute. Legs smooth; hind tibiæ rather thick, with four very long spurs. Wings stout, elongate; marginal line testaceous; fringe full, interlined. Fore wings acute, very minutely speckled with black, with a slight purplish tinge; a brown oblique line, bordered with testaceous on the outer side, slightly curved hindward, not extending to the interior border; three slightly curved less oblique lines between the above-mentioned line and the exterior border; discal point black; costa straight; exterior border convex, moderately oblique; interior angle much rounded. Hind wings without markings. Length of the body 5 lines; of the wings 14 lines.

a. Hindostan. Presented by the Secretary of the India Board.

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CHESIAS? ULICATA.

Alæ anticæ cinereo-violaceæ, lineis duabus nigris sinuatis, fascia media ferruginea.

Chesias ulicata, Ramb. Ann. Soc. Ent. Fr. iii. 394, pl. 8, f. 7.
Marseilles.

CHESIAS? GENEATA.

Alæ anticæ fusco-rufæ, vittis tribus transversis undulatis obscurioribus, punctoque centrali pallido; posticæ fusco pallidæ.

Chesias Geneata, *Feisthamel*, *Ann. Soc. Ent. Fr.* iv. 131, pl. 1, A, f. 1.

Domo d'Ossola, Piedmont.

CHESIAS ?? ORANARIA.

Caput, antennæ, thorax et abdomen rufescentia; alæ anticæ supra subtusque flavo-rufescentes, oblique fusco univittatæ, fimbria flavescens, fusco bilineata; alæ posticæ flavo-rufescentes, postice fuscae.

Chesias Oranaria, *Lucas*, *Explor. Scient. de l'Alger. Anim. Artic.* iii. 393, 132, pl. 4, f. 4.

Oran.

Genus PHRATARIA.

Fœm. Corpus gracile. Proboscis mediocris. Palpi lanceolati, disjuncti, corporis latitudine non breviores; articulus 3us longi-conicus, 2i dimidio non longior. Antennæ graciles, subpectinatæ. Pedes læves, gracillimi; calcaria longa. Alæ anticæ acutæ, costa recta, margine exteriori vix convexo sat obliquo.

Female. Body slender. Proboscis moderately long. Palpi porrect, lanceolate, apart from each other, full as long as the breadth of the head; third joint elongate-conical, about half the length of the second. Antennæ slender, very slightly pectinated, except towards the tips. Legs smooth, very slender; hind tibiæ with long spurs. Wings moderately broad. Fore wings acute; costa straight; exterior border hardly convex, rather oblique.

PHRATARIA TRANSCISSATA.

Fœm. *Fusca; alæ anticæ venis ochraceis, fascia recta argentea fasciæque submarginali tenui alba connexis; posticæ albido-cinereæ, fasciæ submarginali albida.*

Female. Brown. Abdomen, hind wings and under side whitish cinereous. Fore wings with ochraceous veins; a straight silvery white band, accompanied by three or four slight lines, slanting outward from the costa to the interior angle, where it is connected with a slender submarginal white band. Hind wings with a submarginal whitish band; under side with slightly ochraceous veins and with black speckles; some of the latter are confluent and form an exterior line and a submarginal band. Length of the body 5? lines; of the wings 13 lines.

a. Australia. From Mr. Stevens' collection.

Genus DARANTASIA.

Mas. Corpus gracile. Proboscis breviuscula. Palpi brevissimi. Antennæ dense setulosæ. Pedes læves, longiusculi; calcaria longa. Alæ amplæ; anticæ vix acutæ, costa recta, margine exteriori convexo sat obliquo; posticæ paullo breviores.

Male. Body slender. Frontal tuft prominent. Proboscis rather short. Palpi extremely short. Antennæ thickly setulose. Legs smooth, rather long; hind tibiæ with four long spurs. Wings ample; fringe long, full. Fore wings hardly acute; costa straight; exterior border convex, rather oblique. Hind wings not much shorter than the fore wings.

DARANTASIA MUNDIFERARIA.

Mas. *Cervina*; caput pallide cinereum, antice nigrum; thorax squamosus, nigricante-cinereus; alæ punctis marginalibus nigris; anticæ lineis duabus pallide cinereis, 1a subrecta, 2a subundulata, costa ex parte spatioque basali schistaceo-cinereis nigro conspersis, annulo discali fusco oblongo.

Male. Fawn-colour; under side and hind wings brownish cinereous. Head pale cinereous, black in front. Thorax squamous, blackish cinereous. Wings with black marginal points. Fore wings with two pale cinereous lines; first line nearly straight; second slightly undulating; basal part and costa from the base to the second line slaty cinereous, black-speckled; discal mark forming an oblong brown ringlet. Length of the body 7? lines; of the wings 18 lines.

a. South Australia. Presented by R. Bakewell, Esq.

Genus ARCINA.

Mas. Corpus gracile. Fasciculus frontalis productus, rotundatus. Proboscis longa. Palpi rostriformes, subascendentes, pilosissimi; articulus 3us longi-conicus, 2i dimidio non brevior. Antennæ subpectinatae. Abdomen alas posticas non superans; fasciculus apicalis minimus. Pedes longi, graciles, læves; calcaria longa. Alæ elongatæ; anticæ acutæ; posticæ subacuminatæ, angulo interiore rotundato.

Male. Body slender. Frontal tuft prominent, rounded. Proboscis long. Palpi rostriform, very pilose, slightly ascending, as long as the breadth of the head; third joint elongate-conical, not more than half the length of the second. Antennæ very slightly pectinated. Abdomen not extending beyond the hind wings; apical tuft very small. Legs long, slender, smooth; hind tibiæ with four long spurs. Wings elongate. Fore wings acute; costa straight; exterior border slightly convex, very oblique. Hind wings slightly acuminate; interior angle much rounded.

Allied to *Chesias*.

ARCINA FULGORIGERA.

Mas. *Schistaceo-cinerea*; thorax antice pallidior; alæ anticæ striga basali nigra, lineis duabus nigris valde dentatis argenteo et ochraceo marginatis, strigis submarginalibus nigris, strigis marginalibus nigris et argenteis; posticæ pallidiores, lituris nullis.

Male. Slaty cinereous. Thorax in front, abdomen, hind wings and under side paler. Fore wings with a black basal streak and two most deeply dentate black oblique lines, which are mostly bordered with silvery white and with ochraceous, the latter hue diffuse; the lines remote from each other in front; submarginal and marginal streaks black, the latter alternating with broader silvery streaks. Hind wings without markings. Length of the body 7 lines; of the wings 20 lines.

a. West Australia. From Mr. Clifton's collection.

Genus MARCODAVA.

Mas. Corpus gracile. Proboscis longa, gracilis. Palpi porrecti, læves, caput paullo superantes, articulo 3o minimo. Antennæ longæ, subpectinatæ. Abdomen gracillimum, alas posticas non superans. Pedes læves, graciles; calcaria parva. Alæ elongatæ; anticæ vix acutæ, margine exteriore subconvexo.

Male. Body slender. Proboscis long, slender. Palpi porrect, smooth, extending a little beyond the head; third joint extremely small. Antennæ long, slightly pectinated. Abdomen very slender, not extending beyond the hind wings. Legs smooth, slender; hind tibiæ with four short spurs, the pairs remote from each other. Wings elongate. Fore wings hardly acute; costa straight; exterior border slightly convex, rather oblique.

MARCODAVA EGENARIA.

Mas. *Obscure fuscescente-cinerea; alæ anticæ fusco conspersæ et strigatæ; posticæ lituris nullis.*

Male. Dark brownish cinereous. Fore wings minutely speckled and slightly streaked with brown; under side and hind wings without markings. Length of the body $5\frac{1}{2}$ lines; of the wings 16 lines.

a. Port Famine. Presented by C. Darwin, Esq.

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HEDYLE LUCIVITTATA.

Fœm. *Cinereo-fusca; palpi oblique ascendentes, verticem non superantes; antennæ setulosæ; abdomen alas posticas vix superans; alæ elongatæ, vitta lata discali alba; anticæ acutæ, macula magna alba subapicali, margine exteriore flexo.*

Female. Cinereous-brown, whitish cinereous beneath. Palpi obliquely ascending, not rising higher than the vertex; third joint conical, less than half the length of the second. Antennæ minutely setulose. Abdomen hardly extending beyond the hind wings. Wings elongate, ample, with a white broad discal stripe; under side mostly speckled with cinereous-brown. Fore wings acute, with a large white subapical spot; exterior border bent in front, concave towards the costa, straight and very oblique hindward. Length of the body 10 lines; of the wings 28 lines.

a. Ega. From Mr. Bates' collection.

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EMPLOCIA? EROTA.

Nigra; alæ fascia obliqua subangulata lutea; posticæ linea submarginali cyanea.

Phalæna-Geometra Erota, *Cram. Pap. Exot.* iii. 152, pl. 276, f. G. Surinam.

EMPLOCIA? LUCIGERATA.

Fœm. *Nigra, gracilis, subtus albida; palpi graciles, acuti, caput perpaullo superantes; pedes læves, graciles; alæ albæ, semihyalinæ; anticæ apice rotundatæ, spatio exteriori nigro guttam submarginalem albam includente, plaga basali magna nigra; posticæ abdomen superantes, fascia marginali nigra postice attenuata.*

Female. Black, slender, whitish beneath. Palpi porrect, slender, acute, extending very little beyond the head; third joint very minute. Legs smooth, slender; hind tibiæ with four moderately long spurs. Wings white, semihyaline. Fore wings rounded at the tips; exterior part black, including a white submarginal dot; a large black basal patch, which does not extend to the interior border; exterior border convex, rather oblique. Hind wings extending beyond the abdomen, with a black marginal band, which is attenuated hindward. Length of the body $3\frac{1}{2}$ lines; of the wings 10 lines.

a. Bogota. From Mr. Stevens' collection.

SUPPLEMENT.

URAPTERYX RUFIVINCTATA.

Fœm. *Flava; caput et thorax rufescente fasciata; antennæ rufescentes, basi albæ; abdomen rufescente-cinereum; alæ lineis duabus rectis parallelis strigisque parvis cinereis, fimbria rufescente; anticæ acutæ, costa rufescente; posticæ marginis exterioris angulo acuto.*

Female. Sulphur-yellow. Head with a reddish band. Palpi and antennæ reddish, latter white at the base. Thorax with a reddish band. Abdomen pale reddish cinereous. Wings with transverse short irregular cinereous streaks, and with two straight oblique parallel cinereous lines; fringe reddish. Fore wings acute; costa reddish, slightly convex. Hind wings extending beyond the abdomen; exterior border acutely angular in the middle. Length of the body 7 lines; of the wings 20 lines.

Darjeeling. In Mr. Atkinson's collection.

GYNOPTERYX ?? CANENTE.

Mas. *Pallide flavescens; alæ anticæ apice rotundatæ non falcatæ, linea interiore obliqua recta, strigis duabus apud marginem interiorem lituraque costali exteriori fuscis; posticæ linea exteriori recta fusca.*

Phalæna-Geometra Canente, Cram. Pap. Exot. iii. 98, pl. 250, f. C. Coromandel.

AZELINA COMMIXTATA.

Mas. *Cinerea*; palpi porrecti, fimbriati, disjuncti, sat longi; antennæ subpectinatæ; alæ nigricante conspersæ, subtus ex parte ochraceæ cinereo strigatæ; anticæ subfalcatæ, fascia viridi extus undulata pallido marginata, spatio marginali viridescente nebuloso, gutta discali nigra, costa basi convexa extus concava, margine exteriori biangulato; posticæ subpurpurascens, linea exteriori nigricante recta, margine exteriori dentato.

Male. Cinereous. Thorax greenish cinereous. Palpi porrect, fringed, apart, a little shorter than the breadth of the head; third joint elongate-conical, not more than one-fourth of the length of the second. Antennæ very slightly pectinated. Abdomen extending beyond the hind wings; apical tuft small, compressed. Hind tibiæ with rather short spurs. Wings ample, elongate, blackish-speckled; under side partly ochraceous, with cinereous streaks. Fore wings subfalcate, with an oblique green band, which is undulating and bordered with pale cinereous on the outer side; marginal space clouded with greenish; discal dot black; costa convex towards the base, concave exteriorly; exterior border with an angle in front and another in the middle, very oblique hindward. Hind wings purplish tinged; exterior line blackish, straight; exterior border largely dentate. Length of the body 8 lines; of the wings 20 lines.

a. Port Natal. From M. Gueinzus' collection.

FASCELLINA CRYPTOPYRRHATA.

Mas. *Rufescens, robusta, subtus ochracea*; palpi porrecti, caput non superantes; antennæ pectinatæ, apices versus simplices; alæ fascia informi pallidissime flavescens-viridi lineam viridem includente; anticæ acutæ, linea interiori interrupta annuloque discali ochraceo-rufis.

Male. Dull reddish, stout, bright ochraceous beneath. Palpi porrect, rather stout, not extending beyond the head; third joint extremely minute. Antennæ moderately pectinated to full two-thirds of the length. Wings elongate, rather narrow, with a broad oblique irregular very pale yellowish green band, which contains a deep green line near its exterior border. Fore wings acute, with an interior interrupted ochraceous red line and a discal ringlet of the same hue; under side with a dark cinereous marginal band; exterior

border very oblique. Hind wings not extending beyond the abdomen. Length of the body 6 lines; of the wings 18 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

Genus CELESDERA.

Mas. Corpus robustum. Proboscis brevis. Palpi læves, breves, sat graciles, oblique ascendentes, articulo 3o parvo. Antennæ pectinatæ, apices versus nudæ. Abdominis fasciculus apicalis minimus. Pedes læves, robusti, breviusculi, calcaribus longis. Alæ spissæ; anticæ subfalcatæ, costa subconvexa, margine exteriori flexo; posticæ margine exteriori subflexo.

Male. Body stout. Proboscis short. Palpi smooth, rather slender, obliquely ascending, not rising near so high as the vertex; third joint conical, minute. Antennæ moderately pectinated to nearly three-fourths of the length. Abdomen with a very small apical tuft. Legs smooth, stout, rather short; hind tibiæ with four long spurs. Wings stout. Fore wings acute, subfalcate; costa slightly convex; exterior border convex and somewhat bent in the middle. Hind wings with the exterior border hardly bent.

CELESDERA SCHISTIFUSATA.

Mas. *Schistacea, subtus rufescente-ochracea; alæ anticæ lineis duabus ferrugineis flexis interruptis apud costam dilatatis, fimbria ferruginea; posticæ ochraceæ, spatio apud marginem interiorem schistaceo.*

Male. Slaty cinereous, reddish ochraceous beneath. Fore wings with two bent much interrupted ferruginous lines, which are dilated towards the costa; fringe ferruginous. Hind wings dull ochraceous, except towards the interior border. Length of the body 5 lines; of the wings 14 lines.

a. Hindostan. Presented by Sir J. Hearsay.

Genus ISCHALIS.

Fæm. Corpus sat robustum. Proboscis brevis. Palpi porrecti, validi, fimbriati, caput superantes, articulo 3o conico minimo. Antennæ compressæ, sat validæ. Pedes læves. Alæ anticæ acutæ, costa vix convexa, margine exteriori subflexo; posticæ apud marginem interiorem subtus pilosissimæ, margine exteriori postico subtruncato.

Female. Body moderately stout. Proboscis short. Palpi porrect, stout, fringed, shorter than the breadth of the head; third joint conical, acute, very minute. Antennæ compressed, rather stout. Abdomen not extending beyond the hind wings. Legs smooth. Wings moderately broad. Fore wings acute; costa hardly convex; exterior border slightly bent in the middle, very oblique hindward. Hind wings very pilose beneath towards the interior border; exterior border slightly truncated hindward.

ISCHALIS THERMOCHROMATA.

Fœm. *Cinereo-cervina, subtus ochracea; caput ochraceo fasciatum; alæ subpurpurascens, linea exterior recta cinerea; anticæ spatiis costali et marginali ochraceis, litura costali plaguque apud angulum interiorem nigris; posticæ guttis apud angulum interiorem duabus nigris.*

Female. Cinereous fawn-colour, mostly ochraceous beneath. Head with an ochraceous band in front. Wings with a purplish tinge; exterior line straight, oblique, cinereous; under side blackish-speckled. Fore wings mostly ochraceous along the costa and beyond the line; a transverse black costal mark before the middle, and a black patch (mostly composed of speckles) towards the interior angle. Hind wings with two black dots near the interior angle. Length of the body 6 lines; of the wings 16 lines.

a. New Zealand. From Major Parry's collection.

Genus SESTRA.

Mas. Corpus sat gracile. Proboscis brevis. Palpi porrecti, læves, sat graciles, caput vix superantes, articulo 3o minimo. Antennæ glabræ. Abdominis fasciculus apicalis longus, subcompressus. Pedes læves, sat graciles. Alæ latæ; anticæ acutæ, costa vix convexa, margine exterior flexo antice subconcavo.

Male. Body rather slender. Proboscis short. Palpi porrect, smooth, rather slender, hardly extending beyond the head; third joint extremely minute. Antennæ smooth. Abdomen not extending beyond the hind wings; apical tuft long, slightly compressed. Legs smooth, rather slender; spurs moderately long. Wings broad. Fore wings acute; costa hardly convex; exterior border bent, slightly concave in front, straight and rather oblique hindward. Hind wings with the exterior border convex.

SESTRA FUSIPLAGIATA.

Mas. *Cervina, subtus ochracea; alæ linea exteriori subundulata e punctis nigris; anticæ fusco conspersæ, linea interiori fusca flexa plagaque ferruginea magna diffusa connexis, costa nigro conspersa, fimbria fusca; posticæ pallide luteæ.*

Male. Fawn-colour. Dull ochraceous beneath. Wings with an exterior slightly undulating line of black points. Fore wings brown-speckled, with a broad interior bent brown line, which is connected with a large diffuse ferruginous patch; costa black-speckled; fringe dark brown. Hind wings pale luteous. Length of the body $5\frac{1}{2}$ lines; of the wings 15 lines.

a. New Zealand. Presented by Col. Bolton.

BOARMIA INTERSECTARIA.

Page 489. For *Boarmia divisaria* read *Boarmia intersectaria*.

GNOPHOS CONTURBATA.

Subcervino-cinerea, robusta; palpi porrecti, caput paullo superantes, articulo 3o minimo; alæ amplæ, nigricante conspersæ, gutta discali nigricante; anticæ acutæ.

Cinereous, stout, with a slight pale fawn-coloured tinge, paler cinereous beneath. Palpi porrect, extending a little beyond the head; third joint extremely minute. Wings ample, minutely blackish-speckled; discal dot blackish. Fore wings acute; costa straight; exterior border slightly convex, rather oblique. Hind wings with the interior angle rather prominent. Length of the body 7? lines; of the wings 20 lines.

a. Cape. Presented by Sir A. Smith.

GNOPHOS? AFFLICTATA.

Fœm. *Obscure cinerea, nigro conspersa, subtus sordide flavescente-alba; palpi breves, lati, pilosi; alæ latæ, subpurpurascens, lineis duabus nigricantibus, 1a vix undulata, 2a recta costam versus angulata, margine exteriori subdentato; anticæ acutæ, lunula discali nigra; posticæ abdomen superantes.*

Female. Dark cinereous, black-speckled, dingy yellowish, white beneath. Palpi broad, short, pilose. Wings broad, with a slight purplish tinge; two oblique nearly parallel blackish lines; first line hardly undulating; second straight, except towards the costa, where it forms a distinct angle; exterior border slightly scalloped. Fore wings acute, with a black discal lunule; exterior border slightly convex, moderately oblique. Hind wings extending much beyond the abdomen. Length of the body 6 lines; of the wings 18 lines. South Africa. In Mr. D'Urban's collection.

GEOMETRA CUNEILINEA.

Fœm. *Albida, rufo nigroque conspersa; palpi erecti, verticem vix superantes, articulo 3o minimo; alæ fascia maculari viridi abbreviata, lineis duabus exterioribus ferrugineis undulatis, linea submarginali ferruginea valde angulosa, linea marginali duplicata; anticæ linea interiore.*

Female. Whitish, minutely speckled with red and with black. Palpi erect, hardly rising higher than the vertex; third joint very minute. Wings with a green abbreviated macular band, and with two exterior ferruginous undulating lines; submarginal line completely and acutely zigzag; marginal line double; exterior border hardly scalloped. Fore wings acute, with an interior nearly straight ferruginous line. Hind wings extending a little beyond the abdomen. Length of the body $5\frac{1}{2}$ lines; of the wings 16 lines.

Hindustan. In Mr. Saunders' collection.

GEOMETRA? BINEXATA.

Mas. *Ferrugineo-fusca, subtus ochracea; palpi breves, robusti, ascendentes, articulo 3o brevissimo; antennæ pectinatæ; tibiæ posticæ calcaribus breviusculis; alæ fascia fusca marginata valde excavata, fascia submarginali fusca diffusa; anticæ acutæ, fascia 1a costam versus dilatata; posticæ margine exteriori vix flexo.*

Male. Dark ferruginous-brown, bright ochraceous beneath. Palpi stout, pilose, ascending, not rising so high as the vertex; third joint extremely short. Antennæ moderately pectinated. Abdomen hardly extending beyond the hind wings. Legs smooth, hardly stout; hind tibiæ with rather short spurs. Wings elongate, with a brown much indented band, which is bordered with dark

brown; a diffuse broad brown submarginal band. Fore wings acute, with the first band extremely dilated in front; costa straight; exterior border slightly convex, very oblique. Hind wings with the exterior border hardly bent. Length of the body 8 lines; of the wings 20 lines.

Sarawak. In Mr. Saunders' collection.

THALERA? SUBTRACTATA.

Fœm. *Alba*; *caput et thorax anticus testacea*; *palpi graciles, subangulati, capitis latitudine vix breviores, articulo 3o lanceolato*; *alæ fasciis duabus obliquis rectis angulosis viridescentibus*; *anticæ subelongatæ, vix acutæ, costa subconvexa*; *posticæ latæ, margine exteriore angulato.*

Female. White. Head and fore part of the thorax testaceous. Palpi slender, slightly angular, nearly as long as the breadth of the head; third joint lanceolate, shorter than the second. Wings with two greenish oblique straight zigzag bands. Fore wings slightly elongate, hardly acute; costa and exterior border slightly convex, the latter rather oblique. Hind wings broad, extending beyond the abdomen; exterior border very acutely angular in the middle. Length of the body 4 lines; of the wings 12 lines.

a. Hindostan. From Archdeacon Clerk's collection.

Genus ALEX.

Mas. *Corpus gracile. Fasciculus frontalis productus, acutus. Oculi magni. Proboscis longiuscula. Antennæ longæ, graciles, subpectinatæ. Abdomen longum; fasciculus apicalis elongatus. Pedes læves, longi, graciles. Alæ amplæ; anticæ subacutæ; posticæ latissimæ.*

Male. Body slender. Frontal tuft prominent, acute. Proboscis rather long. Eyes large, prominent. Antennæ long, slender, very slightly pectinated. Abdomen long; apical tuft elongate. Legs smooth, long, slender; hind tibiæ with the first pair of spurs much longer than the second. Wings ample. Fore wings slightly acute; costa straight; exterior border almost straight, moderately oblique. Hind wings very large, extending beyond the abdomen; exterior border convex; interior angle prominent.

Allied to *Rhamidava*.

ALEX NIGROZONATA.

Mas. *Ochracea*; *caput antice nigro-fuscum*; *thorax nigro-fusco fasciatus*; *alæ nigro conspersæ, linea recta obliqua fusca antice rufescente-ochracea*; *anticæ puncto discali nigro*.

Male. Ochraceous. Head blackish brown above. Thorax with a blackish brown band in front. Wings minutely speckled with black; under side more largely speckled; a dark brown straight line, which is reddish ochraceous in front and extends from near the tips of the fore wings to one-third of the length of the interior border of the hind wings. Fore wings with a black discal point, which on the under side is enlarged into a streak. Length of the body 9 lines; of the wings 24 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

EPHYRA MONOCHROMATA.

Mas. *Læte flava, fusco conspersa*; *caput antice ferrugineum*; *palpi frontem vix superantes*; *antennæ late pectinatæ*; *pedes longiusculi, sat graciles*; *alæ amplæ, gutta discali nigricante albo punctata*; *anticæ acutæ*.

Male. Bright yellow, slender, speckled with brown and somewhat dingy beneath. Head ferruginous in front. Palpi porrect, hardly extending beyond the front; third joint extremely minute. Antennæ broadly pectinated, except towards the tips. Abdomen hardly extending beyond the hind wings. Legs rather long and slender; hind tibiæ with four long spurs. Wings ample; discal ringlet blackish, white-pupilled. Fore wings acute; costa straight; exterior border slightly convex, moderately oblique. Length of the body 6 lines; of the wings 14 lines.

a. Hindostan. Presented by the Secretary of the India Board.

b. South Hindostan. Presented by M. J. Walhouse, Esq.

c. North Hindostan. Presented by Sir J. Hearsay.

CAMBOGIA PORPHYRINATA.

Mas. *Flavescens*; *caput purpurascens*; *palpi porrecti, brevissimi, caput non superantes, articulo 3o setuloso*; *alæ lineis quatuor latiusculis purpurascensibus, lineis submarginali et marginali subcontiguïs*; *anticæ apice rotundatæ, striga discali lata purpurascente*.

Male. Yellowish, paler beneath. Head purplish. Palpi porrect, very short, not extending beyond the head; third joint minutely setulose. Abdomen not extending beyond the hind wings. Wings moderately broad, with four irregular rather broad purplish lines; submarginal and marginal lines nearly contiguous. Fore wings somewhat rounded at the tips, with a broad transverse purplish discal streak; exterior border slightly convex, moderately oblique. Length of the body $3\frac{1}{2}$ lines; of the wings 10 lines.

Brazil. In Mr. Saunders' collection.

CAMBOGIA TURBATA.

Fœm. *Purpurascens-rosea, subtus roseo-albida; caput ferrugineum; palpi porrecti, caput non superantes; alæ lineis ochraceis angulatis indistinctis; anticæ apice subrotundatæ; posticæ angulo interiore bene determinato.*

Female. Purplish rosy, whitish with a rosy tinge beneath. Head ferruginous. Palpi porrect, slender, not extending beyond the head. Wings moderately broad, with three or four indistinct irregular angular ochraceous lines. Fore wings slightly rounded at the tips; exterior border hardly convex, slightly oblique. Hind wings with the interior angle rather prominent. Length of the body $3\frac{1}{2}$ lines; of the wings 11 lines.

Brazil. In Mr. Saunders' collection.

ANISODES DIRECTATA.

This name may be substituted for *Anisodes ordinata*, p. 1579, the latter name having been used for a species of the same genus.

ACIDALIA? ILLITURATA.

Fœm. *Albido-cinerea; caput et thorax pallide ochracea; palpi longi, lanceolati, pilosi; alæ anticæ acutæ, pallide ochraceæ, albido variæ, ochraceo conspersæ, fascia lata fusca vix obliqua strigam latam emittente, lituris nonnullis submarginalibus fuscis albo marginatis, costa nigro conspersa.*

Female. Whitish cinereous, with a testaceous tinge beneath. Head and thorax pale ochraceous. Palpi porrect, lanceolate, pilose, a little longer than the breadth of the head; third joint minute.

Antennæ stout, smooth. Abdomen extending a little beyond the hind wings. Legs smooth, slender; hind tibiæ with four long spurs. Wings slightly elongated. Fore wings acute, pale ochraceous, partly whitish in the disk, transversely ochraceous-speckled, with a broad brown hardly oblique band, which emits a broad outward-widening streak to the exterior border; a few small transverse brown white-bordered submarginal marks; costa with minute black speckles. Hind wings without markings. Length of the body $4\frac{1}{2}$ lines; of the wings 12 lines.

Brazil. In Mr. Saunders' collection.

ACIDALIA? ISOGRAPHATA.

Æm. *Flavescens, sericea, subtus albida; caput rufescente fasciatum; palpi porrecti, brevissimi, læves, graciles; antennæ validæ, subserratæ; pedes sat validi, calcaribus longis; alæ lineis tribus arcuatis rufescentibus; anticæ acutæ, fascia 2a interlineata; posticæ margine exteriore flexo.*

Female. Yellowish, silky, shining, whitish beneath. Head with a reddish band in front. Palpi porrect, smooth, slender, not extending beyond the head; third joint very minute. Antennæ stout, minutely serrated. Legs smooth, rather stout; hind tibiæ with four long spurs. Wings ample, with three curved reddish bands, which are retracted towards the costa. Fore wings acute; second and third bands nearly parallel to each other; second band interlined with yellow; costa hardly convex; exterior border slightly convex, rather oblique. Hind wings with the second and third bands bent in the middle, corresponding to the bend of the exterior border. Length of the body 5 lines; of the wings 14 lines.

Amazon Region. In Mr. Saunders' collection.

ACIDALIA EFFRENATA.

Mas. *Obscure cinerea, subtus pallida; caput antice nigricans; palpi caput non superantes; antennæ pubescentes, subserratæ; tibiæ posticæ incrassatæ, non calcaratæ; alæ latiusculæ, fusco conspersæ, lineis quatuor fuscis angulosis, puncto discali punctisque marginalibus nigris; anticæ acutæ.*

Male. Dark cinereous, rather stout, much paler beneath. Head blackish in front. Palpi porrect, slender, not extending beyond the head; third joint extremely short. Antennæ stout,

pubescent, minutely serrated. Hind tibiæ incrassated, without spurs. Wings elongate, rather broad, thickly and minutely speckled with brown; four oblique zigzag rather broad brown lines; fourth line submarginal, diffuse, bordered with cinereous on the outer side; discal point and marginal points black. Fore wings acute; exterior border almost straight, very oblique. Length of the body 6 lines; of the wings 16 lines.

a. Bootan. Presented by the Secretary of the India Board.

EROSIA QUADRICAUDATA.

This and *E. Varisaria*, p. 848, are one species.

EROSIA NIVEINOTATA.

Fœm. *Cinereo-cervina*; *alæ lineis duabus strigaeque discali obscurioribus indistinctis, linea marginali e lunulis niveis, punctis marginalibus nigris, margine exteriori integro; anticæ acutæ, costa albo punctata, linea marginali apice dilatata.*

Female. Cinereous fawn-colour. Wings with the interior and exterior lines and the discal streak darker, indistinct; the lines nearly straight, except towards the costa; marginal line pure white, festooned, each curve including a black point; exterior border entire, slightly curved. Fore wings acute; costa straight, with white points; marginal line dilated towards the tips. Hind wings extending a little beyond the abdomen. Length of the body 4 lines; of the wings 12 lines.

Amazon Region. In Mr. Saunders' collection.

EROSIA HIMERATA.

Mas. *Pallide subochracea; caput et thorax anticus saturatiora; palpi breviusculi, porrecti, lati, obtusi; antennæ pubescentes; alæ subelongatæ, fusco conspersæ, linea exteriori fusca viæ undulata apud costam retracta, linea marginali e lunulis albidis, punctis marginalibus annuloque discali nigris; anticæ acutæ, linea interiori nigra interrupta, margine exteriori flexo; posticæ margine exteriori subdentato.*

Male. Dull pale ochraceous, stout. Head, fore border of the thorax and under side brighter ochraceous. Palpi porrect, broad,

obtuse, much shorter than the breadth of the head; third joint extremely short. Antennæ pubescent. Wings slightly elongate, moderately broad, minutely brown-speckled; exterior line brown, oblique, hardly undulating, retracted towards the costa; marginal line whitish, festooned, each curve including an elongated black point; discal mark black, forming a large irregular ringlet. Fore wings acute, with an interior line indicated by three black marks; exterior border convex and prominent in the middle, slightly concave in front and hindward. Hind wings not extending beyond the abdomen; exterior border very slightly dentate. Length of the body 3 lines; of the wings 10 lines.

a. Ega. From Mr. Bates' collection.

EROSIA LEUCOCEPHALA.

Fœm. *Fuscescente-cinerea*; caput fuscum, vertice niveo; palpi brevissimi; thorax albido-cinereus, antice obscurior; abdomen basi albido-cinereum; alæ fusco conspersæ, extus viridescente fusco nebulosæ, linea exteriori alba arcuata, punctis marginalibus nigris; antice apice rotundatæ; posticæ margine exteriori denticulato unidentato.

Female. Brownish cinereous. Head dark brown in front; vertex pure white. Palpi porrect, very short and slender. Thorax whitish cinereous, except in front. Abdomen whitish cinereous at the base. Wings elongate, brown-speckled, clouded exteriorly with greenish brown; exterior line white, slender, deeply curved; marginal points black. Fore wings rounded at the tips. Hind wings not extending beyond the abdomen; exterior border denticulated, with one more prominent tooth. Length of the body 4 lines; of the wings 12 lines.

a. Moreton Bay. From Mr. Diggles' collection.

Genus SOPHTA.

Fœm. Corpus sat robustum. Proboscis conspicua. Palpi latiusculi, obtusi, fimbriati, capitis latitudine non breviores, articulo 3o minimo. Antennæ gracillimæ. Pedes læves, breviusculi; tibiæ posticæ calcaribus quatuor longis. Alæ anticæ falcatæ, non acutæ, costa subconvexa, margine exteriori angulato antice excavato.

Female. Body rather stout. Proboscis distinct. Palpi fringed, obtuse, rather broad, obliquely ascending, not longer than the

breadth of the head; third joint extremely small. Antennæ very slender. Legs smooth, rather short; hind tibiæ with four long spurs. Wings moderately broad. Fore wings falcate, not acute; costa slightly convex; exterior border deeply excavated in front, angular in the middle, very oblique hindward. Hind wings extending a little beyond the abdomen.

Allied to *Erosia*.

SOPHTA CONCAVATA.

Fœm. *Cinerea, nigro conspersa, ex parte cervino subtineta; alæ linea exteriorè pallide cinerea antice recurva, punctis sub-marginalibus nigris; anticæ linea interiorè pallide cinerea, punctis duobus discalibus nigris, annulo discali infirmi nigricante.*

Female. Cinereous, minutely black-speckled, partly and slightly tinged with fawn-colour. Wings with an exterior oblique pale cinereous line, which is curved inward towards the costa; sub-marginal points black. Fore wings with an interior oblique pale cinereous line; discal mark composed of two black points and a blackish incomplete irregular ringlet. Length of the body 3 lines; of the wings 9 lines.

a. Moreton Bay. From Mr. Diggles' collection.

STEGANIA? QUADRINOTATA.

Mas. *Pallide cinereo-testacea; palpi porrecti, acuti, caput non superantes; antennæ setulosæ; tibiæ posticæ non incrassatæ; alæ anticæ subucutæ, maculis tribus costalibus fuscis.*

Male. Pale cinereous-testaceous. Palpi porrect, acute, not extending beyond the head. Antennæ setulose. Abdomen not extending beyond the hind wings. Hind tibiæ not incrassated; spurs rather long. Wings moderately broad. Fore wings slightly acute, with three brown costal spots; exterior border convex, rather oblique. Length of the body 4 lines; of the wings 12 lines.

New York. In Mr. Saunders' collection.

TEPHRINA? PERVELATA.

Mas. *Obscure ferrugineo-cinerea; caput fuscum; palpi breves, lati; antennæ pectinatae, breviusculæ; abdomen fasciculo apicali quadrato; pedes breviusculi; alæ sat angustæ, nigro subconspersæ, linea exteriorè fusca subundulata subdenticulata; anticæ apice subrotundatæ, gutta discali e squamis nigris.*

Male. Dark ferruginous-cinereous. Head dark brown. Palpi porrect, short, broad, connected; third joint extremely short. Antennæ moderately pectinated, rather short. Abdomen extending a little beyond the hind wings; apical tuft quadrate. Legs rather short; hind tibiæ with moderately long spurs. Wings rather narrow, thinly and minutely black-speckled; exterior line brown, slightly denticulate and undulating, very indistinct in the fore wings; marginal space a little darker; fringe long, full. Fore wings slightly rounded at the tips; discal dot black, formed of elevated scales; exterior border slightly convex, rather oblique. Length of the body 6 lines; of the wings 16 lines.

a. Georgia.

TEPHRINA LATISCRIPATA.

Fœm. *Pallide cinerea; caput et thorax fusca; palpi breves, lati, obtusi, vix ascendentes; alæ anticæ acutæ, basi fuscæ, fascia latissima fusca lineas nigricantes denticulatas includente, lineis exterioribus denticulatis obscure cinereis; posticæ albidæ, linea exteriorè cinerea undulata.*

Female. Pale cinereous. Head and thorax brown. Palpi short, broad, obtuse, hardly ascending. Fore wings acute, brown towards the base, and with a very broad brown middle band, which contains some blackish denticulated lines and is much narrower towards the interior border; this band is convex on the inner and undulating on the outer side, and beyond it there are a few slight denticulated dark cinereous lines; exterior border slightly convex, very oblique. Hind wings whitish, with an exterior undulating cinereous line. Length of the body 4 lines; of the wings 13 lines.

South Africa. In Mr. D'Urban's collection.

PANAGRA TRYXARIA.

Page 992, insert *Panagra tryxaria*, *Guen. Phal.* ii. 128, 1124.

PANAGRA EPHYRARIA.

Fœm. *Schistacea*; *caput fuscescens, fasciculo frontali producto*; *palpi porrecti, breves, lati, fimbriati*; *alæ elongatæ, nigro subconspersæ, linea exteriori recta obliqua e punctis nigris, margine exteriori subferrugineo*; *anticæ acutæ, valde falcatæ, linea interiori e punctis tribus nigris, macula discali fusca, fascia submarginali nigra incompleta*; *posticæ annulo discali nigricante.*

Female. Slaty cinereous, slender. Head and fore part of the thorax brownish. Frontal tuft prominent. Proboscis moderately long. Palpi porrect, broad, short, fringed. Antennæ slender. Abdomen not extending beyond the hind wings. Legs long, slender, smooth; hind tibiæ with four long spurs. Wings elongate, with a few black speckles; exterior line straight, oblique, composed of black points; a ferruginous tinge along the exterior border, which is convex. Fore wings acute, very falcate; interior line composed of three black points, of which one is contiguous to an oblique black costal streak; discal spot brown, rather large; submarginal band incomplete, formed of confluent black speckles. Hind wings with a blackish discal ringlet. Length of the body 6 lines; of the wings 18 lines.

a. Auckland, New Zealand. From Mr. Oxley's collection.

SELIDOSEMA? ENORMISATA.

Fœm. *Cinereo-fusca*; *palpi caput paullo superantes*; *alæ amplæ, linea marginali e lunulis nigris, dimidio basali subtus cinereo lineam strigasque fuscas includente*; *anticæ elongatæ, apice rotundatæ, vix falcatæ*; *posticæ abdomen superantes, margine exteriori subdentato.*

Female. Cinereous-brown. Palpi porrect, extending a little beyond the head; third joint conical, very minute. Legs smooth, rather slender; hind tibiæ with four short spurs. Wings ample, with a black festooned marginal line; basal half beneath cinereous, brown-streaked, including a brown discal streak and an exterior

brown line. Fore wings elongated, somewhat rounded at the tips, hardly falcate; exterior border very oblique, hardly festooned. Hind wings extending beyond the abdomen; exterior border slightly festooned; interior angle prominent. Length of the body 6 lines; of the wings 18 lines.

Sarawak, Borneo. In Mr. Saunders' collection.

FIDONIA SUBFULIGATA.

Mas. *Nigricante-cinerea; palpi porrecti, lati, læves, non elongati, articulo 3o longi-conico; antennæ latissime pectinatæ; pedes læves, graciles; alæ nigro conspersæ, lineis duabus subobsoletis punctoque discali nigris; anticæ acutæ, margine exteriore perobliqua; posticæ abdomen superantes.*

Male. Blackish cinereous, hardly paler beneath. Palpi porrect, smooth, broad, shorter than the breadth of the head; third joint elongate-conical, about half the length of the second. Antennæ very broadly pectinated. Legs smooth, slender. Wings minutely black-speckled, with a black discal point, and with some indications of two straight oblique black lines. Fore wings acute; costa straight; exterior border convex, very oblique hindward. Hind wings extending beyond the abdomen. Length of the body 5 lines; of the wings 14 lines.

South Africa. In Mr. D'Urban's collection.

FIDONIA? DEVIARIA.

Mas et fœm. *Cinerea; palpi porrecti, obtusi, pilosi, caput paullo superantes; alæ anticæ vix acutæ, basi nigro conspersæ, strigis nonnullis apud marginem exteriorem lineisque tribus subinterruptis fuscis, striga discali nigricante, punctis marginalibus nigris, subtus ochraceæ nigro fasciatæ; posticæ ochraceæ, fasciis tribus macularibus guttisque marginalibus nigris.*
 Mas.—*Antennæ late pectinatæ.* Fœm.—*Antennæ subserratæ.*

Male and female. Cinereous. Palpi porrect, obtuse, pilose, extending a little beyond the head. Fore wings hardly acute, speckled with black towards the base; some transverse brown streaks towards the exterior border; three brown upright irregular almost interrupted lines, of which the first and second are interior, and the third is submarginal and broad; discal streak blackish, minute; marginal points black, large; under side ochraceous, with a black transverse costal streak, and with two black bands, of which the

second is interrupted. Hind wings ochraceous, with three macular black bands and with black marginal dots; fringe cinereous. *Male*.—Antennæ broadly pectinated, except towards the tips; branches remote from each other. Abdomen testaceous. *Female*.—Antennæ very minutely serrate. Length of the body $3\frac{1}{2}$ —4 lines; of the wings 12 lines.

South Africa. In Mr. D'Urban's collection.

ASPILATES INCEPTARIA.

Fœm. Cinereo-albida, subtus testaceo suffusa; fasciculus frontalis acutus; palpi porrecti, elongati; alæ amplæ, fascia obscure cinerea, striga discali nigricante; anticæ acutæ, fascia costam versus interrupta maculam nigricantem includente; posticæ fascia valde indistincta.

Female. Cinereous-whitish, mostly testaceous-tinged on the under side. Frontal tuft prominent, acute. Palpi porrect, as long as the breadth of the head; third joint elongate-conical, about one-fourth of the length of the second. Wings ample, with a dark cinereous band, and with a blackish discal streak, which is most distinct in the fore wings. Fore wings acute; band marginal, interrupted towards the costa, where it contains a diffuse blackish spot; exterior border hardly convex. Hind wings extending beyond the abdomen; band submarginal, very indistinct. Length of the body 6 lines; of the wings 18 lines.

South Africa. In Mr. D'Urban's collection.

ASPILATES SABULIFERATA.

Mas. Cinereo-albida, vix testaceo suffusa; palpi porrecti, brevissimi, gracillimi; antennæ glabræ; abdomen lateribus apicem versus fasciculatis; alæ elongatæ, sat angustæ; anticæ acutæ, linea exteriore fuscescente perobliqua, lineolis tribus submarginalibus, puncto discali nigricante; posticæ puncto discali vix conspicuo, lineis nullis.

Male. Cinereous-whitish, with a very slight testaceous tinge. Palpi porrect, very short and slender, not extending so far as the front of the head. Antennæ smooth. Abdomen with small tufts on each side towards the tip. Wings elongate, rather narrow. Fore wings acute, with a brownish straight very oblique exterior line, and with three more slight submarginal lines; discal point blackish;

exterior border slightly convex, very oblique. Hind wings a little paler, without markings, except a very indistinct discal point. Length of the body $3\frac{1}{2}$ lines; of the wings 11 lines.

South Africa. In Mr. D'Urban's collection.

Genus MARCALA.

Mas. Corpus sat robustum. Caput læve. Proboscis valida. Palpi arcuati, breves, læves, ascendentes, articulo 3o conico minimo. Antennæ latissime pectinatæ, apice simplices. Abdomen valvulis apicalibus elongatis. Pedes læves, sat validi; tibiæ posticæ quadricaratae. Alæ subelongatæ; anticæ falcatae, costa apicem versus convexa, margine exteriore recto.

Male. Body moderately stout. Head smooth. Proboscis robust. Palpi curved, smooth, ascending, not rising so high as the vertex; third joint conical, very minute. Antennæ very broadly pectinated, except at the tips. Abdomen not extending beyond the hind wings; apical valves elongate. Legs smooth, rather stout; hind tibiæ with four moderately long spurs. Wings slightly elongated. Fore wings falcate; costa straight, convex towards the tip; exterior border straight, moderately oblique.

MARCALA IGNIVORATA.

Mas. *Rufescente-cinerea*; caput antice fuscum; alæ vix purpurascens, nigro subconspersæ, lineis duabus nigro-fuscis subrectis subparallelis; anticæ gutta discali nigro-fusca sat magna cinereo-fusca, linea 2a furcata, plaga postica sordide lutea; posticæ costam versus pallide cinereæ, subtus luteæ, rufo conspersæ.

Male. Reddish cinereous. Head brown in front. Abdomen paler at the tip. Wings slightly purplish-tinged, thinly black-speckled, with two oblique nearly straight and parallel blackish brown lines. Fore wings with a round rather large blackish brown cinereous-marked discal dot; first line dilated towards the costa; second line forming two dilated forks in front; first fork retracted to the costa; second extending to the tip of the wing; a dingy luteous patch on the interior border beyond the second line; under side red. Hind wings pale cinereous along the costa; under side luteous, with red speckles. Length of the body 5 lines; of the wings 16 lines.

Cherra Punji. In Mr. Atkinson's collection.

Genus ISNISCA.

Mas. Corpus robustum. Frons plana. Proboscis valida. Palpi porrecti, brevissimi, articulo 3o minimo. Antennæ late pectinatæ, apice simplices. Pedes læves, robusti, breviusculi; tibiæ posticæ calcaribus longissimis. Alæ densæ; anticæ acutæ, costa basi subconvexa, margine exteriori subflexo antice subconcavo; posticæ apice subtruncatæ.

Male. Body stout. Front flat. Proboscis robust. Palpi porrect, very short, not extending beyond the head; third joint extremely short and small. Antennæ broadly pectinated, except at the tips. Abdomen extending a little beyond the hind wings. Legs stout, smooth, rather short; hind tibiæ with four very long spurs. Wings stout, rather small. Fore wings acute; costa very slightly convex towards the base; exterior border slightly bent in the middle, slightly concave in front, straight hindward. Hind wings slightly truncated at the tips.

Allied to *Osicerda*.

ISNISCA CYCLOGONATA.

Mas. *Rufescente-cervina*; alæ subtus rufescentes; anticæ lineis duabus cinereis angulosis indistinctis; posticæ antice ochraceæ, linea apud marginem interiorem fusca flexa.

Male. Reddish fawn-colour. Wings reddish beneath. Fore wings with two zigzag, very indistinct cinereous lines. Hind wings ochraceous in front, with a bent brown line towards the interior border. Length of the body 5 lines; of the wings 12 lines.

a. Hindostan. Presented by Sir J. Hearsay.

Genus MENDA.

Mas. Corpus sat robustum. Proboscis brevis. Palpi porrecti, caput paullo superantes, articulo 3o longi-conico. Antennæ pectinatæ, breviusculæ. Thorax crassus. Abdomen fasciculo apicali longiusculo. Pedes læves, breviusculi; tibiæ posticæ calcaribus quatuor longissimis. Alæ latæ; anticæ elongatæ, apice truncatæ, margine exteriori subangulato, margine interiori convexo, venis posticis distortis; posticæ dilatatæ, margine exteriori subangulato vix dentato.

Male. Body rather stout. Proboscis short. Palpi porrect, extending a little beyond the head; third joint elongate-conical, about half the length of the second. Antennæ moderately pectinated, rather short. Thorax very robust. Abdomen much more slender than the thorax; apical tuft rather long. Legs smooth, rather short; hind tibiæ with four very long spurs. Wings broad. Fore wings elongate, somewhat truncated at the tips; costa straight; exterior border forming a much rounded angle in front, straight and rather oblique hindward; interior border convex; inferior veins somewhat distorted. Hind wings dilated, extending a little beyond the abdomen; exterior border very slightly scalloped, indistinctly angular in front; interior angle prominent.

This genus is very different from all the other *Fidonidæ*, but seems to be still more remote from the other genera of *Geometrites*.

MENDA PHRYGANEATA.

Mas. *Cinerea, fusco conspersa, subtus pallide ochracea; alæ linea submarginali tenui ferruginea nigro punctata; anticæ vitta fusca, vitta brevi ferruginea, plaga elongata punctisque tribus anticis marginalibus nigris.*

Male. Cinereous, brown-speckled, pale ochraceous and thinly brown-speckled beneath. Wings with a slight ferruginous submarginal line, which is accompanied by black points. Fore wings with a brown stripe, which is parallel to the costa and extends exteriorly alongside of a short ferruginous stripe; subcostal space more speckled than the wings elsewhere; an elongated marginal patch and most of the fringe black; three marginal black points in front. Length of the body 6 lines; of the wings 16 lines.

Ega. From Mr. Bates' collection.

LARENTIA INDISCRIMINATA.

Mas. *Sordide cinerea; palpi breves, lati, obtusi; antennæ subpubescentes; alæ elongatæ, angustæ, linea submarginali fusca interrupta; anticæ acutæ, fusco conspersæ, lineis nonnullis fuscis indistinctis denticulatis, spatio marginali fusciscente lineam submarginalem angulosam pallide cineream includente, puncto discali nigro sat magno; posticæ puncto discali minimo.*

Male. Dingy cinereous. Palpi broad, short, obtuse. Antennæ very minutely pubescent. Abdomen extending very little beyond the hind wings. Wings elongate, narrow, with a brown marginal line, which is interrupted by the veins. Fore wings acute, brown-speckled, with some indistinct denticulated brown lines; marginal space brownish, including the pale cinereous zigzag submarginal line; discal point black, rather large; exterior border slightly convex, rather oblique. Hind wings with a very minute black discal point. Length of the body 3 lines; of the wings 10 lines.

South Africa. In Mr. D'Urban's collection.

LARENTIA ALBIFILATA.

Fœm. *Olivaceo-fusca; palpi porrecti, breves, sat graciles; alæ lineis plurimis cinereis denticulatis indistinctis, lineis interiore et exteriori albidis distinctis vix denticulatis; anticæ acutæ, costa subconvexa, margine exteriori flexo; posticæ fuscescentes.*

Female. Olive-brown. Palpi porrect, rather slender, hardly extending beyond the head. Abdomen and under side brownish cinereous. Wings with several indistinct cinereous denticulated lines; interior and exterior lines distinct, whitish, hardly denticulated. Fore wings acute; costa slightly convex; exterior border forming a slight rounded angle in the middle. Hind wings brownish. Length of the body $4\frac{1}{2}$ lines; of the wings 12 lines.

a. Venezuela. From Mr. Dyson's collection.

EUPITHECIA ?? LATIFURCATA.

Fœm. *Cinerea, subtus fusco conspersa; palpi porrecti, longi, lanceolati, disjuncti; alæ elongatæ; anticæ acutæ, fasciis quatuor e lineis undulatis fuscis, fimbria nigricante guttata; posticæ lituris nullis.*

Female. Cinereous, largely speckled with brown beneath. Palpi porrect, lanceolate, apart, a little longer than the breadth of the head; third joint lanceolate, less than one-fourth of the length of the second. Wings elongate; marginal line brown, interrupted. Fore wings acute, with four irregular oblique bands, each of which is composed of three undulating incomplete brown lines; fringe with blackish dots; exterior border slightly convex,

very oblique. Hind wings without markings. Length of the body 4 lines; of the wings 12 lines.

a. Venezuela. From Mr. Dyson's collection.

EUPITHECIA CHLOROPHILATA.

Fœm. Viridis, subtus cinerea; palpi porrecti, longi, lanceolati, disjuncti; alæ latiusculæ; anticæ elongatæ, apice subrotundatæ, lineis duabus e punctis nigris, costa fusco quadrinotata, lituris paucis submarginalibus fuscis; posticæ antice opalino-albidæ, macula subapicali atra.

Female. Grass-green. Body and under side cinereous. Palpi porrect, lanceolate, apart, as long as the breadth of the head; third joint conical, minute. Wings rather broad. Fore wings elongate, slightly rounded at the tips; interior and exterior lines composed of a few black points; some traces towards the exterior border of two other black lines; costa with four brown marks of various size; a few submarginal brown marks; under side with two incomplete brown bands. Hind wings pearly whitish in front, with a deep black subapical spot. Length of the body 4 lines; of the wings 12 lines.

This species seems to connect *Eupithecia* with *Microdes*.

a. Bootan. Presented by the Secretary of the India Board.

EUPITHECIA? INSCITATA.

Fœm. Rufescens; fasciculus frontalis productus; palpi porrecti, laeves, articulo 3o longi-conico; alæ elongatæ, lineis plurimis fuscis interruptis, fimbria cinerea fusco interlineata; anticæ acutæ.

Female. Reddish, slender. Frontal tuft prominent. Palpi porrect, smooth, shorter than the breadth of the head; third joint elongate-conical, hardly one-third of the length of the second. Abdomen extending a little beyond the hind wings. Wings elongate, with numerous transverse interrupted brown lines; fringe cinereous, interlined with brown. Fore wings acute; costa straight; exterior border convex, very oblique. Length of the body $4\frac{1}{2}$ lines; of the wings 13 lines.

a. Cape. From M. Dregé's collection.

CIDARIA DESPECTATA.

Var.? Mas. *Cervina, subtus cinerea fuscescente varia; antennæ pubescen es; abdomen apice subtumidum; alæ anticæ fascia basali fusca, fasciis duabus exterioribus nigro-fuscis bene determinatis, 1a recta subobliqua, 2a valde flexa extus cinereo marginata, puncto discali nigro; posticæ albido-cinereæ, lituris nullis.*

Var.? Male. Fawn-colour; under side cinereous, varied with brownish. Palpi porrect, short, broad. Antennæ stout, pubescent. Abdomen somewhat tumid at the tip. Fore wings acute, with a slight incomplete brown band near the base, and with two distinct blackish brown bands, of which the first is straight and slightly oblique, and the second is much bent and is bordered with pale cinereous on the outer side; some slight small brown marks between the second line and the exterior border; discal point black. Hind wings whitish cinereous, without markings. Length of the body $4\frac{1}{2}$ lines; of the wings 13 lines.

Cape. In Mr. Saunders' collection.

UNCERTAIN SPECIES.

—— ? QUADRIPUNCTATA.

Luteo-flava; alæ lineis quatuor transversis punctoque discali nigricantibus.

Phalæna-Geometra quadripunctata, Anon. Ins. Surin. 199, pl. 88. Surinam.

—— ? PLUMBEARIA.

Plumbea, subtus cinerea.

Phalæna-Geometra plumbearia, Anon. Ins. Surin. 133, pl. 63. Surinam.

? LIVIDA.

Fœm. *Plumbea*; *alæ elongatæ, lineis sex subundulatis nigris, fimbria flavescente.*

Phalæna-Geometra livida, *Cram. Pap. Exot.* ii. 46, pl. 128, f. D.

Surinam.

? DIOSPYRATA.

Alæ cinereæ, fascia lata marginali obscuriore; anticæ lunula centrali fusca, subtus pallidæ, strigis duabus fuscis.

Geometra diospyrata, *Boisd. Faun. Ent. Mad. Bomb. et. Maur. Lep.* 115, 4.

Bourbon. Mauritius.

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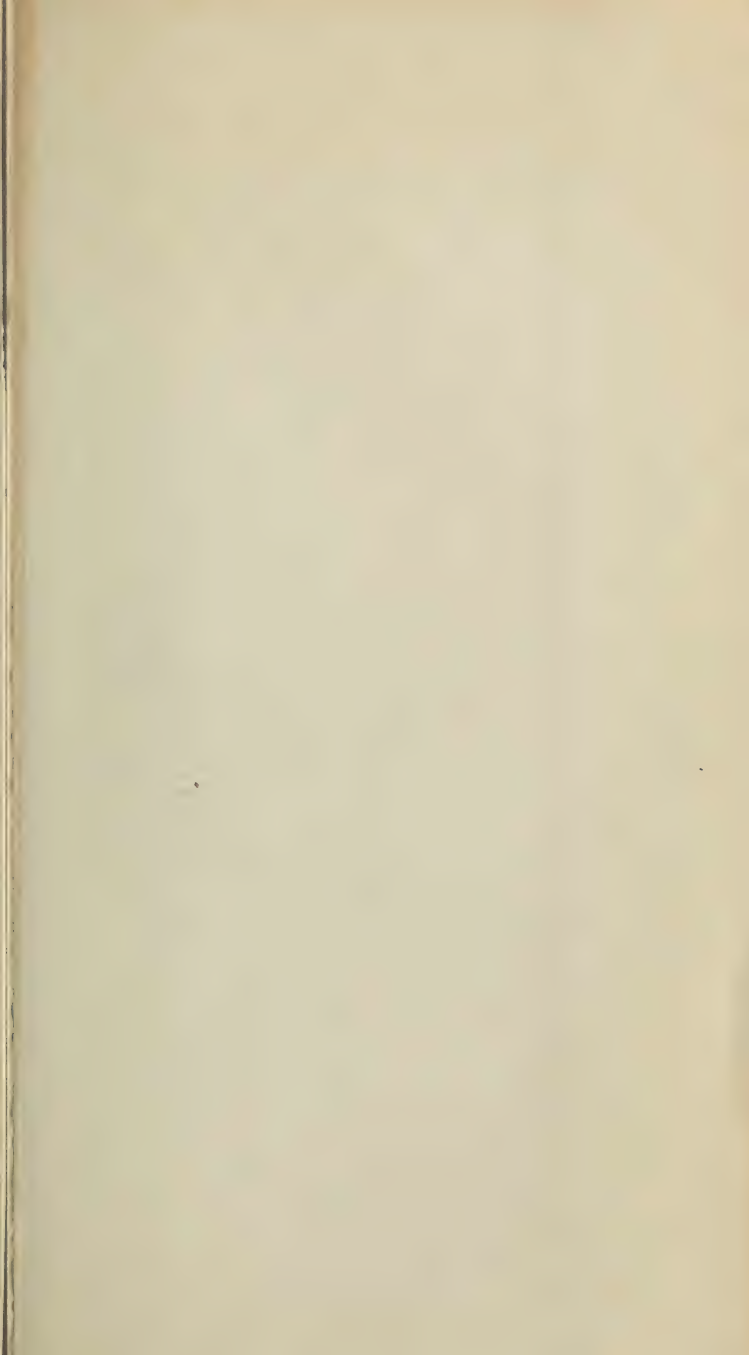
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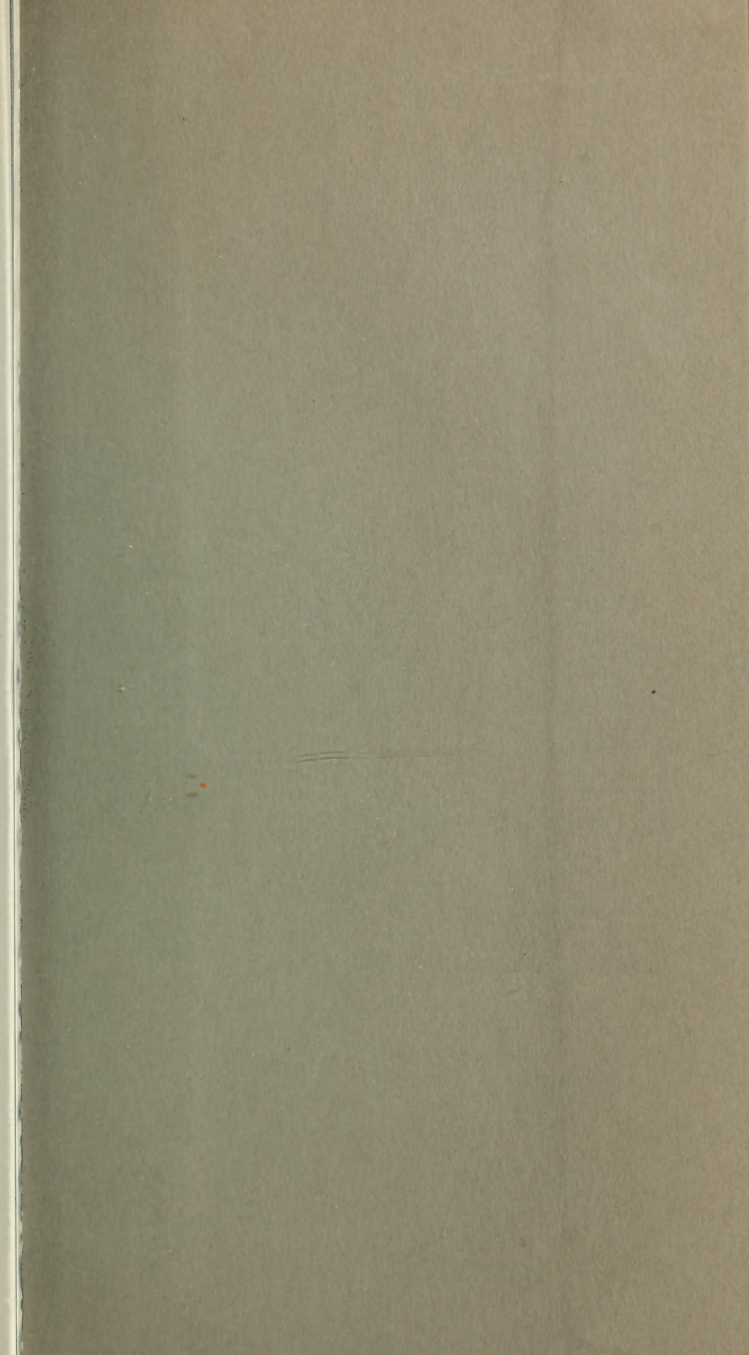
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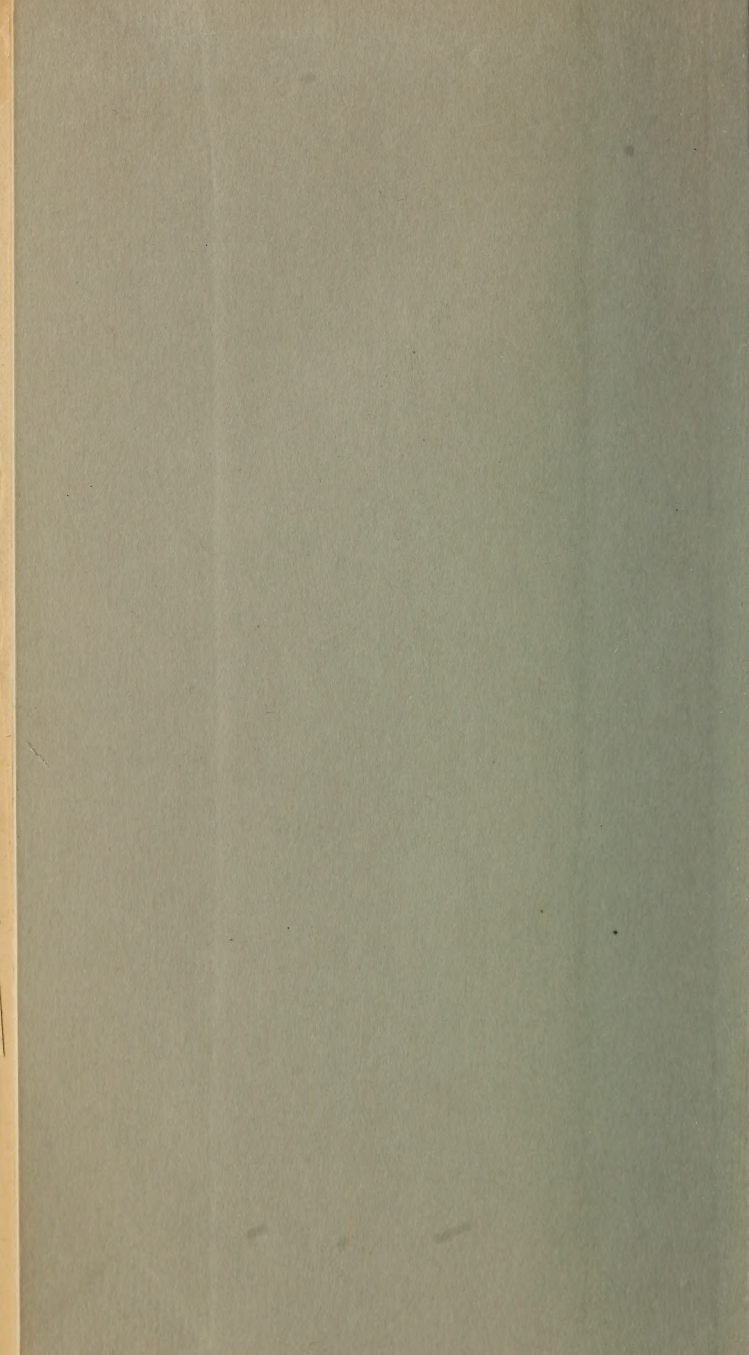
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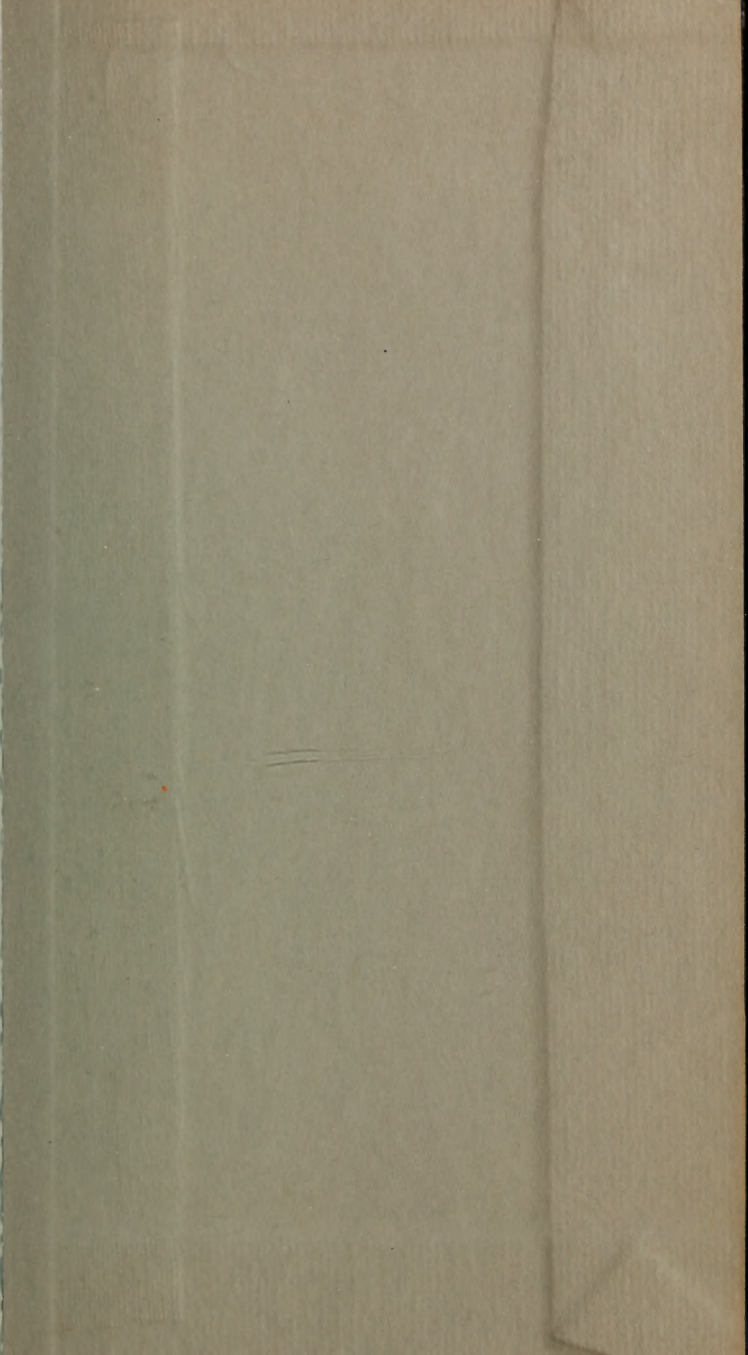
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